

TABLE 3

SEQ ID NO: OF NUCLEOTIDE	SEQ ID NO: OF AMINO ACID	SEQ ID NO: IN USSN 09/491,404	START NUCLEOTIDE OF CODING REGION	STOP NUCLEOTIDE OF CODING REGION
101	1110	1283	265	125
102	1111	1287	107	385
103	1112	1297	333	545
104	1113	13	187	47
105	1114	130	126	290
106	1115	1306	323	75
107	1116	1308	457	891
108	1117	1311	258	674
109	1118	1315	242	823
110	1119	1317	82	435
111	1120	1319	781	3306
112	1121	1323	1402	1671
113	1122	1329	279	665
114	1123	1336	37	765
115	1124	1337	177	389
116	1125	1338	887	744
117	1126	1339	248	724
118	1127	1341	298	525
119	1128	1342	26	445
120	1129	1344	23	370
121	1130	1345	160	402
122	1131	1351	2737	2600
123	1132	1353	655	792
124	1133	1354	94	354
125	1134	1356	679	849
126	1135	1358	679	849
127	1136	1359	32	346
128	1137	1361	271	426
129	1138	1362	637	1197
130	1139	1363	24	350
131	1140	1364	119	367
132	1141	1368	111	284
133	1142	1377	1221	1358
134	1143	1378	643	470
135	1144	138	99	539
136	1145	1382	994	686
137	1146	1384	34	264
138	1147	1386	124	477
139	1148	1389	1197	1
140	1149	139	94	294
141	1150	1390	1262	1053
142	1151	1393	1182	1325
143	1152	1394	1351	1542
144	1153	1395	229	411
145	1154	1396	923	1147
146	1155	1397	49	252
147	1156	1398	684	863
148	1157	1399	2613	286
149	1158	14	997	758
150	1159	1403	396	1

TABLE 3

SEQ ID NO: OF NUCLEOTIDE	SEQ ID NO: OF AMINO ACID	SEQ ID NO: IN USSN 09/491,404	START NUCLEOTIDE OF CODING REGION	STOP NUCLEOTIDE OF CODING REGION
151	1160	1406	735	1235
152	1161	1407	967	716
153	1162	1408	75	314
154	1163	1409	101	313
155	1164	141	384	551
156	1165	1414	242	532
157	1166	142	158	15
158	1167	1421	604	1425
159	1168	1422	1146	1835
160	1169	1423	2657	3295
161	1170	1424	315	163
162	1171	1426	39	509
163	1172	1427	892	686
164	1173	1428	395	619
165	1174	1430	284	514
166	1175	1432	178	2
167	1176	1433	1136	972
168	1177	1435	1283	1540
169	1178	1436	1669	2235
170	1179	144	55	219
171	1180	1440	363	121
172	1181	1441	1991	2197
173	1182	1443	1765	3054
174	1183	1445	1023	865
175	1184	1446	5692	5859
176	1185	1447	2959	2078
177	1186	1448	775	945
178	1187	1451	858	1430
179	1188	1453	1370	723
180	1189	1455	480	1007
181	1190	1457	278	451
182	1191	1459	824	561
183	1192	1460	56	463
184	1193	1461	184	480
185	1194	1462	486	635
186	1195	1465	319	492
187	1196	1466	398	3
188	1197	1468	262	453
189	1198	1476	526	684
190	1199	148	271	420
191	1200	1482	568	714
192	1201	1484	203	340
193	1202	1486	2185	1190
194	1203	1492	438	2912
195	1204	1493	82	225
196	1205	1501	210	347
197	1206	1508	1364	1101
198	1207	1509	56	613
199	1208	1512	828	965
200	1209	1515	3216	3812

TABLE 3

SEQ ID NO: OF NUCLEOTIDE	SEQ ID NO: OF AMINO ACID	SEQ ID NO: IN USSN 09/491,404	START NUCLEOTIDE OF CODING REGION	STOP NUCLEOTIDE OF CODING REGION
201	1210	1516	614	790
202	1211	1522	1709	1029
203	1212	1524	614	799
204	1213	1526	3917	4081
205	1214	1529	221	2146
206	1215	1530	644	390
207	1216	1532	16	1224
208	1217	1535	885	1031
209	1218	1536	245	1156
210	1219	1538	1617	4994
211	1220	154	97	234
212	1221	1540	4325	4158
213	1222	1541	2020	2778
214	1223	1544	595	3168
215	1224	1545	328	534
216	1225	1548	47	211
217	1226	1550	49	201
218	1227	1552	418	558
219	1228	1555	509	330
220	1229	1557	699	854
221	1230	1561	847	1932
222	1231	1563	775	933
223	1232	1565	286	453
224	1233	1567	807	974
225	1234	1568	1227	1601
226	1235	1569	113	328
227	1236	157	145	2
228	1237	1570	222	845
229	1238	1572	167	685
230	1239	1574	97	1167
231	1240	1575	581	2701
232	1241	1577	1246	953
233	1242	1578	1440	175
234	1243	1579	4738	4601
235	1244	1580	1431	1568
236	1245	1581	2491	3222
237	1246	1584	463	2157
238	1247	1585	156	2366
239	1248	1586	167	691
240	1249	1587	102	305
241	1250	1589	1157	1783
242	1251	159	812	639
243	1252	1592	270	521
244	1253	1593	92	310
245	1254	1594	814	188
246	1255	1595	101	2290
247	1256	1597	119	910
248	1257	1598	178	1398
249	1258	1600	2937	2578
250	1259	1604	47	526

TABLE 3

SEQ ID NO: OF NUCLEOTIDE	SEQ ID NO: OF AMINO ACID	SEQ ID NO: IN USSN 09/491,404	START NUCLEOTIDE OF CODING REGION	STOP NUCLEOTIDE OF CODING REGION
251	1260	1606	2204	1872
252	1261	1608	235	603
253	1262	1609	156	2366
254	1263	1611	1992	2135
255	1264	1614	968	786
256	1265	1615	2578	2751
257	1266	1616	6256	5813
258	1267	1617	29	709
259	1268	1619	1123	4071
260	1269	1621	581	2704
261	1270	1626	43	321
262	1271	1629	3616	1673
263	1272	163	509	183
264	1273	1630	81	248
265	1274	1631	9	572
266	1275	1633	2565	2807
267	1276	1634	2373	2510
268	1277	1635	3216	4508
269	1278	1636	4239	4081
270	1279	1642	4238	4020
271	1280	1643	152	304
272	1281	1644	47	478
273	1282	1645	121	921
274	1283	1646	3815	3030
275	1284	1647	335	186
276	1285	1649	6	974
277	1286	1654	34	951
278	1287	1655	491	1387
279	1288	1656	78	560
280	1289	1657	1431	1568
281	1290	1658	2373	1015
282	1291	1670	236	3
283	1292	1673	95	1342
284	1293	1685	2124	1786
285	1294	1690	245	415
286	1295	1691	977	774
287	1296	1699	50	247
288	1297	17	282	112
289	1298	1710	943	239
290	1299	1711	127	318
291	1300	1718	99	338
292	1301	1719	122	382
293	1302	172	33	461
294	1303	1720	180	1
295	1304	1722	160	327
296	1305	1726	175	363
297	1306	1737	84	497
298	1307	1738	188	379
299	1308	174	138	332
300	1309	1743	560	784

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SEQ ID NO: OF NUCLEOTIDE	SEQ ID NO: OF AMINO ACID	SEQ ID NO: IN USSN 09/491,404	START NUCLEOTIDE OF CODING REGION	STOP NUCLEOTIDE OF CODING REGION
301	1310	1747	1824	1961
302	1311	1748	97	411
303	1312	1749	151	492
304	1313	177	59	322
305	1314	1776	68	262
306	1315	1779	43	255
307	1316	178	58	399
308	1317	1781	1179	907
309	1318	1786	579	385
310	1319	1789	56	193
311	1320	180	218	78
312	1321	1800	230	394
313	1322	1801	1778	876
314	1323	181	174	428
315	1324	1829	179	42
316	1325	1846	525	785
317	1326	1848	5632	5838
318	1327	185	92	400
319	1328	1850	178	333
320	1329	186	699	1310
321	1330	1860	8	604
322	1331	1868	376	618
323	1332	187	148	366
324	1333	1870	233	388
325	1334	1872	12	206
326	1335	188	181	516
327	1336	1884	549	863
328	1337	1886	128	298
329	1338	189	28	204
330	1339	1891	11246	11097
331	1340	1895	175	417
332	1341	1897	221	400
333	1342	1899	744	890
334	1343	191	77	286
335	1344	1914	403	699
336	1345	192	8	343
337	1346	1947	656	1735
338	1347	1948	32	283
339	1348	195	129	323
340	1349	196	122	295
341	1350	1962	554	733
342	1351	197	110	277
343	1352	1976	348	2450
344	1353	198	93	239
345	1354	1980	137	310
346	1355	2	916	13698
347	1356	20	112	303
348	1357	2005	88	420
349	1358	2007	525	385
350	1359	2008	266	484

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SEQ ID NO: OF NUCLEOTIDE	SEQ ID NO: OF AMINO ACID	SEQ ID NO: IN USSN 09/491,404	START NUCLEOTIDE OF CODING REGION	STOP NUCLEOTIDE OF CODING REGION
351	1360	2013	64	234
352	1361	2016	99	329
353	1362	2018	84	401
354	1363	202	300	130
355	1364	2022	1240	1016
356	1365	2029	191	364
357	1366	2037	231	404
358	1367	2043	3206	3349
359	1368	2047	169	456
360	1369	2048	295	522
361	1370	2049	533	769
362	1371	205	4	684
363	1372	2051	403	699
364	1373	2055	173	379
365	1374	2056	270	1157
366	1375	2061	949	725
367	1376	2064	127	309
368	1377	2065	248	577
369	1378	2070	204	344
370	1379	2071	374	793
371	1380	2074	945	796
372	1381	2076	300	67
373	1382	2078	416	586
374	1383	2081	316	507
375	1384	2082	20	220
376	1385	209	19	168
377	1386	210	27	395
378	1387	2102	258	452
379	1388	2104	1706	1539
380	1389	211	84	311
381	1390	212	677	231
382	1391	2120	40	414
383	1392	214	101	268
384	1393	2140	213	377
385	1394	2161	216	368
386	1395	2162	106	420
387	1396	2164	104	250
388	1397	217	333	22
389	1398	218	80	325
390	1399	219	709	506
391	1400	2196	158	319
392	1401	2198	469	1164
393	1402	22	843	700
394	1403	2214	980	822
395	1404	2215	49	318
396	1405	2225	544	1974
397	1406	223	185	21
398	1407	2233	116	313
399	1408	224	189	16
400	1409	2240	2740	2525

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SEQ ID NO: OF NUCLEOTIDE	SEQ ID NO: OF AMINO ACID	SEQ ID NO: IN USSN 09/491,404	START NUCLEOTIDE OF CODING REGION	STOP NUCLEOTIDE OF CODING REGION
401	1410	2244	1489	1647
402	1411	2254	72	317
403	1412	226	335	120
404	1413	2260	562	738
405	1414	2268	300	67
406	1415	227	103	615
407	1416	2273	114	344
408	1417	2275	239	985
409	1418	2276	1358	1164
410	1419	2288	56	1459
411	1420	2291	83	532
412	1421	2296	264	530
413	1422	2298	533	781
414	1423	2300	1684	1845
415	1424	2305	8	226
416	1425	231	86	820
417	1426	232	361	1920
418	1427	233	150	467
419	1428	2331	334	2856
420	1429	2334	168	953
421	1430	2341	198	395
422	1431	2344	122	1432
423	1432	2346	1345	1187
424	1433	2348	502	729
425	1434	235	338	844
426	1435	2351	228	713
427	1436	236	232	2
428	1437	2360	1611	1357
429	1438	2362	36	263
430	1439	2364	294	1568
431	1440	2365	103	312
432	1441	2378	209	5281
433	1442	238	53	511
434	1443	2380	207	380
435	1444	239	457	663
436	1445	2392	176	2653
437	1446	2399	940	2040
438	1447	2405	144	380
439	1448	2407	1875	2702
440	1449	2415	1927	137
441	1450	242	1813	986
442	1451	2421	43	405
443	1452	2423	1556	1413
444	1453	2424	673	1041
445	1454	2432	295	1275
446	1455	2438	607	437
447	1456	2444	294	437
448	1457	2447	212	1588
449	1458	2448	52	1440
450	1459	2449	637	1197

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SEQ ID NO: OF NUCLEOTIDE	SEQ ID NO: OF AMINO ACID	SEQ ID NO: IN USSN 09/491,404	START NUCLEOTIDE OF CODING REGION	STOP NUCLEOTIDE OF CODING REGION
451	1460	245	208	876
452	1461	2450	3740	4369
453	1462	2453	222	389
454	1463	246	566	763
455	1464	2466	179	778
456	1465	2471	532	669
457	1466	2473	817	650
458	1467	2474	236	1333
459	1468	2476	173	3
460	1469	248	331	2
461	1470	2486	709	885
462	1471	249	88	456
463	1472	2496	107	1054
464	1473	2498	413	607
465	1474	2501	103	267
466	1475	2503	334	717
467	1476	2506	3740	4369
468	1477	2509	188	18
469	1478	2512	78	368
470	1479	2514	16	354
471	1480	2523	53	325
472	1481	2526	223	384
473	1482	2532	596	763
474	1483	2533	62	667
475	1484	2535	89	1519
476	1485	2537	175	375
477	1486	254	299	21
478	1487	2540	553	816
479	1488	2546	1905	1102
480	1489	2555	2046	4541
481	1490	2559	569	733
482	1491	256	9	410
483	1492	2560	288	76
484	1493	2565	3269	3502
485	1494	2569	116	478
486	1495	257	203	475
487	1496	2571	2763	2548
488	1497	2572	65	652
489	1498	2575	70	294
490	1499	2576	1195	1010
491	1500	258	434	21
492	1501	2580	155	400
493	1502	2591	53	214
494	1503	2592	163	348
495	1504	26	261	398
496	1505	2605	277	420
497	1506	261	29	598
498	1507	2614	1331	1510
499	1508	2617	235	378
500	1509	262	204	458

TABLE 3

SEQ ID NO: OF NUCLEOTIDE	SEQ ID NO: OF AMINO ACID	SEQ ID NO: IN USSN 09/491,404	START NUCLEOTIDE OF CODING REGION	STOP NUCLEOTIDE OF CODING REGION
501	1510	2624	254	418
502	1511	263	247	570
503	1512	264	184	540
504	1513	2643	1108	4026
505	1514	2644	305	535
506	1515	2645	1952	1509
507	1516	2647	1225	404
508	1517	2648	41	778
509	1518	265	53	418
510	1519	2650	190	936
511	1520	2658	1576	2451
512	1521	2659	44	430
513	1522	266	350	153
514	1523	2663	785	1177
515	1524	2665	395	550
516	1525	2666	41	778
517	1526	2667	244	384
518	1527	2668	174	527
519	1528	2669	27	302
520	1529	2678	1172	960
521	1530	2684	178	432
522	1531	269	341	520
523	1532	2699	1241	1083
524	1533	2701	402	2624
525	1534	2702	28	177
526	1535	2706	1108	4026
527	1536	2707	1240	1016
528	1537	271	59	346
529	1538	2714	34	987
530	1539	2715	1117	647
531	1540	2717	25	429
532	1541	2718	1670	1885
533	1542	2719	31	1137
534	1543	272	6	152
535	1544	2726	230	592
536	1545	2728	578	369
537	1546	2731	193	366
538	1547	2735	495	301
539	1548	274	352	119
540	1549	2741	94	255
541	1550	2798	1031	1240
542	1551	28	54	725
543	1552	2803	204	374
544	1553	2809	216	938
545	1554	2822	280	447
546	1555	2823	197	388
547	1556	2824	224	12
548	1557	2826	79	456
549	1558	2828	24	428
550	1559	2838	90	698

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SEQ ID NO: OF NUCLEOTIDE	SEQ ID NO: OF AMINO ACID	SEQ ID NO: IN USSN 09/491,404	START NUCLEOTIDE OF CODING REGION	STOP NUCLEOTIDE OF CODING REGION
551	1560	284	21	197
552	1561	2847	113	262
553	1562	285	146	292
554	1563	2852	233	439
555	1564	2854	830	988
556	1565	2855	336	1043
557	1566	2856	384	614
558	1567	2857	437	748
559	1568	2859	1295	1158
560	1569	286	30	179
561	1570	2860	2618	2469
562	1571	2864	1325	1176
563	1572	2867	1034	795
564	1573	288	190	345
565	1574	2884	856	257
566	1575	2886	15	167
567	1576	2891	34	405
568	1577	2900	104	2683
569	1578	2901	193	366
570	1579	2902	91	1806
571	1580	2907	268	498
572	1581	2908	83	1564
573	1582	2910	2131	3117
574	1583	2915	715	861
575	1584	2916	52	2064
576	1585	2919	62	1015
577	1586	292	615	854
578	1587	2923	332	1279
579	1588	2924	264	422
580	1589	2925	122	1432
581	1590	2930	195	341
582	1591	2931	221	3
583	1592	2934	1642	1827
584	1593	2937	38	421
585	1594	2940	520	383
586	1595	2944	325	68
587	1596	295	49	255
588	1597	2950	226	59
589	1598	2951	110	400
590	1599	2955	303	641
591	1600	2957	365	673
592	1601	2964	96	347
593	1602	2967	738	466
594	1603	2968	222	428
595	1604	2969	365	117
596	1605	2970	314	643
597	1606	2973	961	1176
598	1607	2975	975	799
599	1608	2979	89	442
600	1609	298	152	3

TABLE 3

SEQ ID NO: OF NUCLEOTIDE	SEQ ID NO: OF AMINO ACID	SEQ ID NO: IN USSN 09/491,404	START NUCLEOTIDE OF CODING REGION	STOP NUCLEOTIDE OF CODING REGION
601	1610	2991	112	261
602	1611	2995	201	368
603	1612	3	13559	13335
604	1613	30	176	751
605	1614	3002	1807	2265
606	1615	3005	339	743
607	1616	3023	64	243
608	1617	3039	71	217
609	1618	304	50	334
610	1619	305	226	387
611	1620	3051	56	268
612	1621	307	9	278
613	1622	308	116	274
614	1623	3085	97	3030
615	1624	3088	801	634
616	1625	3089	18	455
617	1626	3094	92	1246
618	1627	3098	40	342
619	1628	310	142	354
620	1629	3101	48	383
621	1630	3105	188	328
622	1631	3107	177	413
623	1632	3109	184	327
624	1633	3114	70	243
625	1634	3115	295	459
626	1635	3116	115	348
627	1636	3119	70	222
628	1637	3120	163	531
629	1638	3122	60	266
630	1639	3129	226	501
631	1640	3146	190	363
632	1641	3151	212	1588
633	1642	3153	86	517
634	1643	3165	244	453
635	1644	317	97	342
636	1645	3179	106	873
637	1646	3181	108	896
638	1647	3182	554	775
639	1648	3192	268	441
640	1649	3194	923	1192
641	1650	3195	38	376
642	1651	32	185	334
643	1652	3200	199	561
644	1653	3201	516	848
645	1654	3202	232	681
646	1655	3208	836	633
647	1656	3210	202	384
648	1657	3214	349	588
649	1658	3215	859	380
650	1659	3216	51	320

TABLE 3

SEQ ID NO: OF NUCLEOTIDE	SEQ ID NO: OF AMINO ACID	SEQ ID NO: IN USSN 09/491,404	START NUCLEOTIDE OF CODING REGION	STOP NUCLEOTIDE OF CODING REGION
651	1660	3220	116	283
652	1661	3222	324	545
653	1662	3227	385	1197
654	1663	323	65	223
655	1664	3240	385	1197
656	1665	3243	65	916
657	1666	3250	263	463
658	1667	3252	244	480
659	1668	3253	136	297
660	1669	3254	83	439
661	1670	3255	573	920
662	1671	3257	548	757
663	1672	3259	34	822
664	1673	326	58	525
665	1674	3263	102	350
666	1675	3270	313	152
667	1676	3271	117	473
668	1677	3272	44	190
669	1678	3273	106	486
670	1679	3274	246	392
671	1680	3278	174	1
672	1681	3281	988	1134
673	1682	3282	101	334
674	1683	3291	129	284
675	1684	3294	101	595
676	1685	3296	107	565
677	1686	3298	130	552
678	1687	3299	333	515
679	1688	3300	324	121
680	1689	3303	378	157
681	1690	3306	296	637
682	1691	3307	1454	1660
683	1692	3309	163	471
684	1693	3311	335	478
685	1694	3312	5	280
686	1695	3313	298	546
687	1696	3314	50	526
688	1697	3315	99	413
689	1698	3322	101	685
690	1699	3323	66	356
691	1700	3324	76	462
692	1701	3328	248	904
693	1702	3335	136	393
694	1703	3336	47	733
695	1704	3338	181	786
696	1705	3339	58	231
697	1706	3342	226	390
698	1707	3349	72	488
699	1708	3356	208	384
700	1709	3358	194	436

TABLE 3

SEQ ID NO: OF NUCLEOTIDE	SEQ ID NO: OF AMINO ACID	SEQ ID NO: IN USSN 09/491,404	START NUCLEOTIDE OF CODING REGION	STOP NUCLEOTIDE OF CODING REGION
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702	1711	3366	55	816
703	1712	3367	364	735
704	1713	3370	237	878
705	1714	3371	188	721
706	1715	3372	14	241
707	1716	3373	42	290
708	1717	3387	32	202
709	1718	3389	29	256
710	1719	3390	181	393
711	1720	3396	520	822
712	1721	3410	10	153
713	1722	3412	82	291
714	1723	3414	453	292
715	1724	3421	158	337
716	1725	3427	430	618
717	1726	3430	210	380
718	1727	3431	295	432
719	1728	3440	419	556
720	1729	3444	402	256
721	1730	3445	281	430
722	1731	346	42	722
723	1732	347	384	689
724	1733	3470	114	530
725	1734	3478	38	217
726	1735	3479	161	379
727	1736	348	37	231
728	1737	3482	156	296
729	1738	35	255	575
730	1739	3503	185	454
731	1740	3505	252	422
732	1741	3529	37	183
733	1742	353	262	522
734	1743	3537	127	273
735	1744	3539	98	268
736	1745	3542	25	312
737	1746	3543	70	228
738	1747	3544	31	177
739	1748	3548	972	385
740	1749	3553	27	164
741	1750	3560	113	358
742	1751	3563	483	764
743	1752	3564	6	434
744	1753	3566	316	507
745	1754	3570	6	377
746	1755	3574	108	440
747	1756	3576	569	348
748	1757	3579	293	442
749	1758	3582	20	388
750	1759	3583	172	396

TABLE 3

SEQ ID NO: OF NUCLEOTIDE	SEQ ID NO: OF AMINO ACID	SEQ ID NO: IN USSN 09/491,404	START NUCLEOTIDE OF CODING REGION	STOP NUCLEOTIDE OF CODING REGION
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752	1761	3596	91	459
753	1762	3599	40	474
754	1763	3606	335	1105
755	1764	3609	169	666
756	1765	3617	141	410
757	1766	3620	218	388
758	1767	3630	189	1
759	1768	3642	122	643
760	1769	3644	431	664
761	1770	3647	274	720
762	1771	3651	245	472
763	1772	3652	259	642
764	1773	3653	153	1994
765	1774	3654	87	554
766	1775	3657	57	2744
767	1776	3658	387	920
768	1777	366	402	578
769	1778	3660	120	530
770	1779	3661	480	674
771	1780	3663	1096	938
772	1781	3669	689	1015
773	1782	3677	469	642
774	1783	3678	1194	889
775	1784	3685	406	1134
776	1785	3689	233	706
777	1786	3693	21	446
778	1787	3699	55	414
779	1788	370	59	262
780	1789	3707	38	436
781	1790	3711	229	474
782	1791	3713	314	463
783	1792	3717	178	675
784	1793	3720	258	695
785	1794	3721	96	548
786	1795	3722	32	562
787	1796	3724	220	513
788	1797	3726	180	467
789	1798	3729	251	523
790	1799	373	110	340
791	1800	3735	91	636
792	1801	3736	275	880
793	1802	3738	106	621
794	1803	3762	702	1175
795	1804	3768	293	598
796	1805	377	96	257
797	1806	3772	169	2
798	1807	3786	108	248
799	1808	3787	282	638
800	1809	3789	139	411

TABLE 3

SEQ ID NO: OF NUCLEOTIDE	SEQ ID NO: OF AMINO ACID	SEQ ID NO: IN USSN 09/491,404	START NUCLEOTIDE OF CODING REGION	STOP NUCLEOTIDE OF CODING REGION
801	1810	379	248	421
802	1811	38	146	3
803	1812	382	24	275
804	1813	385	138	1
805	1814	388	268	74
806	1815	39	302	3
807	1816	391	24	368
808	1817	395	51	482
809	1818	397	422	766
810	1819	399	102	311
811	1820	4	11219	13123
812	1821	405	253	2
813	1822	406	342	665
814	1823	411	321	542
815	1824	416	736	909
816	1825	422	1541	867
817	1826	43	330	686
818	1827	434	207	34
819	1828	435	140	445
820	1829	437	160	423
821	1830	439	347	706
822	1831	44	91	282
823	1832	450	136	402
824	1833	458	169	348
825	1834	459	99	284
826	1835	462	70	282
827	1836	465	462	791
828	1837	467	76	348
829	1838	470	35	637
830	1839	475	37	426
831	1840	477	242	382
832	1841	478	66	311
833	1842	485	196	426
834	1843	488	117	443
835	1844	490	231	485
836	1845	493	281	610
837	1846	496	90	371
838	1847	5	34	3933
839	1848	501	60	368
840	1849	502	707	856
841	1850	504	208	459
842	1851	505	165	317
843	1852	509	62	223
844	1853	511	46	432
845	1854	515	13	582
846	1855	516	92	325
847	1856	518	83	283
848	1857	519	365	685
849	1858	521	12	413
850	1859	525	6	251

TABLE 3

SEQ ID NO: OF NUCLEOTIDE	SEQ ID NO: OF AMINO ACID	SEQ ID NO: IN USSN 09/491,404	START NUCLEOTIDE OF CODING REGION	STOP NUCLEOTIDE OF CODING REGION
851	1860	526	862	725
852	1861	532	207	590
853	1862	536	226	53
854	1863	537	49	198
855	1864	540	270	1
856	1865	541	38	412
857	1866	546	388	2
858	1867	555	199	438
859	1868	556	144	482
860	1869	559	380	165
861	1870	563	27	617
862	1871	566	158	382
863	1872	568	69	320
864	1873	57	6	158
865	1874	571	8	1516
866	1875	572	32	505
867	1876	573	139	456
868	1877	574	49	771
869	1878	576	519	370
870	1879	578	168	1
871	1880	580	159	641
872	1881	581	108	497
873	1882	582	80	403
874	1883	587	172	435
875	1884	589	27	374
876	1885	590	84	428
877	1886	595	68	1138
878	1887	598	1023	766
879	1888	61	65	208
880	1889	612	310	546
881	1890	614	166	918
882	1891	617	252	602
883	1892	62	969	661
884	1893	620	188	418
885	1894	622	877	1014
886	1895	629	202	687
887	1896	63	98	277
888	1897	632	221	367
889	1898	64	536	381
890	1899	640	338	3
891	1900	641	12	395
892	1901	642	194	397
893	1902	644	15	395
894	1903	646	132	380
895	1904	647	3	389
896	1905	650	135	413
897	1906	651	231	428
898	1907	653	128	442
899	1908	654	214	77
900	1909	656	49	465

TABLE 3

SEQ ID NO: OF NUCLEOTIDE	SEQ ID NO: OF AMINO ACID	SEQ ID NO: IN USSN 09/491,404	START NUCLEOTIDE OF CODING REGION	STOP NUCLEOTIDE OF CODING REGION
901	1910	657	86	397
902	1911	66	267	614
903	1912	662	387	701
904	1913	666	76	498
905	1914	667	517	2184
906	1915	668	1423	788
907	1916	67	107	622
908	1917	678	172	387
909	1918	68	78	341
910	1919	680	832	671
911	1920	683	505	164
912	1921	687	105	521
913	1922	690	139	294
914	1923	691	244	456
915	1924	699	194	754
916	1925	701	371	520
917	1926	702	1888	2028
918	1927	704	1254	808
919	1928	705	126	1463
920	1929	706	31	390
921	1930	707	367	2
922	1931	709	1152	934
923	1932	715	744	541
924	1933	716	1360	1220
925	1934	722	173	430
926	1935	725	498	271
927	1936	727	18	164
928	1937	729	230	3
929	1938	73	262	834
930	1939	731	491	246
931	1940	740	20	322
932	1941	741	1430	1167
933	1942	747	660	523
934	1943	749	263	727
935	1944	750	209	391
936	1945	751	753	517
937	1946	755	172	387
938	1947	756	209	376
939	1948	76	656	513
940	1949	760	131	538
941	1950	763	893	1126
942	1951	766	1271	1537
943	1952	771	458	318
944	1953	775	391	558
945	1954	781	410	1684
946	1955	791	967	1284
947	1956	793	554	970
948	1957	795	8	268
949	1958	796	342	199
950	1959	798	211	405

TABLE 3

SEQ ID NO: OF NUCLEOTIDE	SEQ ID NO: OF AMINO ACID	SEQ ID NO: IN USSN 09/491,404	START NUCLEOTIDE OF CODING REGION	STOP NUCLEOTIDE OF CODING REGION
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952	1961	8	1523	1293
953	1962	801	484	678
954	1963	802	331	489
955	1964	808	210	905
956	1965	812	162	920
957	1966	819	723	2669
958	1967	820	964	725
959	1968	825	182	328
960	1969	829	1843	2292
961	1970	830	58	201
962	1971	832	150	341
963	1972	835	130	762
964	1973	836	449	291
965	1974	838	175	324
966	1975	84	175	435
967	1976	842	73	393
968	1977	844	423	824
969	1978	845	214	32
970	1979	846	120	317
971	1980	847	212	364
972	1981	85	190	426
973	1982	852	74	541
974	1983	855	1653	1465
975	1984	857	1964	2659
976	1985	858	598	1020
977	1986	861	58	933
978	1987	876	222	779
979	1988	878	2021	2161
980	1989	879	189	362
981	1990	88	39	278
982	1991	886	1165	1022
983	1992	891	158	310
984	1993	892	759	995
985	1994	895	224	379
986	1995	897	131	622
987	1996	9	1678	1448
988	1997	901	55	753
989	1998	906	450	623
990	1999	913	40	237
991	2000	918	17	334
992	2001	92	385	122
993	2002	926	772	518
994	2003	929	146	283
995	2004	932	23	175
996	2005	934	38	235
997	2006	935	286	423
998	2007	936	24	284
999	2008	939	450	623
1000	2009	94	139	2

TABLE 3

SEQ ID NO: OF NUCLEOTIDE	SEQ ID NO: OF AMINO ACID	SEQ ID NO: IN USSN 09/491,404	START NUCLEOTIDE OF CODING REGION	STOP NUCLEOTIDE OF CODING REGION
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1002	2011	947	174	356
1003	2012	957	80	400
1004	2013	96	187	387
1005	2014	964	1352	1528
1006	2015	97	166	2
1007	2016	98	535	344
1008	2017	995	559	386
1009	2018	997	34	231

WHAT IS CLAIMED IS:

1. An isolated polynucleotide comprising a nucleotide sequence selected from the group consisting of SEQ ID NO: 1-1009, a mature protein coding portion of SEQ ID NO: 1-1009, an active domain of SEQ ID NO: 1-1009, and complementary sequences thereof.
2. An isolated polynucleotide encoding a polypeptide with biological activity, wherein said polynucleotide hybridizes to the polynucleotide of claim 1 under stringent hybridization conditions.
3. An isolated polynucleotide encoding a polypeptide with biological activity, wherein said polynucleotide has greater than about 90% sequence identity with the polynucleotide of claim 1.
4. The polynucleotide of claim 1 wherein said polynucleotide is DNA.
5. An isolated polynucleotide of claim 1 wherein said polynucleotide comprises the complementary sequences.
6. A vector comprising the polynucleotide of claim 1.
7. An expression vector comprising the polynucleotide of claim 1.
8. A host cell genetically engineered to comprise the polynucleotide of claim 1.
9. A host cell genetically engineered to comprise the polynucleotide of claim 1 operatively associated with a regulatory sequence that modulates expression of the polynucleotide in the host cell.
10. An isolated polypeptide, wherein the polypeptide is selected from the group consisting of:
 - (a) a polypeptide encoded by any one of the polynucleotides of claim 1; and

- (b) a polypeptide encoded by a polynucleotide hybridizing under stringent conditions with any one of SEQ ID NO:1-1009.
11. A composition comprising the polypeptide of claim 10 and a carrier.
12. An antibody directed against the polypeptide of claim 10.
13. A method for detecting the polynucleotide of claim 1 in a sample, comprising:
- a) contacting the sample with a compound that binds to and forms a complex with the polynucleotide of claim 1 for a period sufficient to form the complex; and
 - b) detecting the complex, so that if a complex is detected, the polynucleotide of claim 1 is detected.
14. A method for detecting the polynucleotide of claim 1 in a sample, comprising:
- a) contacting the sample under stringent hybridization conditions with nucleic acid primers that anneal to the polynucleotide of claim 1 under such conditions;
 - b) amplifying a product comprising at least a portion of the polynucleotide of claim 1; and
 - c) detecting said product and thereby the polynucleotide of claim 1 in the sample.
15. The method of claim 14, wherein the polynucleotide is an RNA molecule and the method further comprises reverse transcribing an annealed RNA molecule into a cDNA polynucleotide.
16. A method for detecting the polypeptide of claim 10 in a sample, comprising:
- a) contacting the sample with a compound that binds to and forms a complex with the polypeptide under conditions and for a period sufficient to form the complex; and

b) detecting formation of the complex, so that if a complex formation is detected, the polypeptide of claim 10 is detected.

17. A method for identifying a compound that binds to the polypeptide of claim 10, comprising:

- a) contacting the compound with the polypeptide of claim 10 under conditions sufficient to form a polypeptide/compound complex; and
- b) detecting the complex, so that if the polypeptide/compound complex is detected, a compound that binds to the polypeptide of claim 10 is identified.

18. A method for identifying a compound that binds to the polypeptide of claim 10, comprising:

- a) contacting the compound with the polypeptide of claim 10, in a cell, under conditions sufficient to form a polypeptide/compound complex, wherein the complex drives expression of a reporter gene sequence in the cell; and
- b) detecting the complex by detecting reporter gene sequence expression, so that if the polypeptide/compound complex is detected, a compound that binds to the polypeptide of claim 10 is identified.

19. A method of producing the polypeptide of claim 10, comprising,

- a) culturing a host cell comprising a polynucleotide sequence selected from the group consisting of a polynucleotide sequence of SEQ ID NO: 1-1009, a mature protein coding portion of SEQ ID NO: 1-1009, an active domain of SEQ ID NO: 1-1009, complementary sequences thereof and a polynucleotide sequence hybridizing under stringent conditions to SEQ ID NO: 1-1009, under conditions sufficient to express the polypeptide in said cell; and
- b) isolating the polypeptide from the cell culture or cells of step (a).

20. An isolated polypeptide comprising an amino acid sequence selected from the group consisting of SEQ ID NO: 1010-2018, the mature protein portion thereof, or the active domain thereof.

21. The polypeptide of claim 20 wherein the polypeptide is provided on a polypeptide array.
22. A collection of polynucleotides, wherein the collection comprises the sequence information of at least one of SEQ ID NO: 1-1009.
23. The collection of claim 22, wherein the collection is provided on a nucleic acid array.
24. The collection of claim 23, wherein the array detects full-matches to any one of the polynucleotides in the collection.
25. The collection of claim 23, wherein the array detects mismatches to any one of the polynucleotides in the collection.
26. The collection of claim 22, wherein the collection is provided in a computer-readable format.
27. A method of treatment comprising administering to a mammalian subject in need thereof a therapeutic amount of a composition comprising a polypeptide of claim 10 or 20 and a pharmaceutically acceptable carrier.
28. A method of treatment comprising administering to a mammalian subject in need thereof a therapeutic amount of a composition comprising an antibody that specifically binds to a polypeptide of claim 10 or 20 and a pharmaceutically acceptable carrier.

SEQUENCE LISTING

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Tang et al.

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<211> 574
<212> DNA
<213> Homo sapiens

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<211> 625
<212> DNA
<213> Homo sapiens

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 <212> DNA
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 <211> 795
 <212> DNA
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<210> 13
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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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<211> 739

<212> DNA

<213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <211> 703
 <212> DNA
 <213> Homo sapiens

<400> 18

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 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

<400> 33

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 <212> DNA
 <213> Homo sapiens

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 <211> 1947
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 <213> Homo sapiens

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 <212> DNA
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<210> 37
 <211> 1809

<212> DNA
 <213> Homo sapiens

<400> 37
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<210> 38
 <211> 1511
 <212> DNA
 <213> Homo sapiens

<220>
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<211> 2672

<212> DNA

<213> Homo sapiens

<400> 39

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 <212> DNA
 <213> Homo sapiens

<400> 40						
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 <211> 1424
 <212> DNA
 <213> Homo sapiens

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<210> 42
 <211> 766
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(766)
 <223> n = a,t,c or g

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 <211> 849
 <212> DNA
 <213> Homo sapiens

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<210> 44
 <211> 1476
 <212> DNA
 <213> Homo sapiens

<400> 44						
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<210> 45
 <211> 1712
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1) ... (1712)
 <223> n = a, t, c or g

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<210> 46
 <211> 755
 <212> DNA
 <213> Homo sapiens

<400> 46						
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<210> 47
 <211> 2820
 <212> DNA
 <213> Homo sapiens

<400> 47						
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 <213> Homo sapiens

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 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 51
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 <211> 1044
 <212> DNA
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 <212> DNA
 <213> Homo sapiens

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 <211> 804
 <212> DNA
 <213> Homo sapiens

<400> 54
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 <212> DNA
 <213> Homo sapiens

<400> 55
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 <212> DNA
 <213> Homo sapiens

<400> 56
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 <211> 410
 <212> DNA
 <213> Homo sapiens

<400> 57						
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cgcaggctcc	ttcccagtgc	cctcagtccg	ggaagctcag	acagggagct	ccaggaaatc	360
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<210> 58
 <211> 871
 <212> DNA
 <213> Homo sapiens

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 <222> (1)...(871)
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 <213> Homo sapiens

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 <213> Homo sapiens

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 <211> 887
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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<210> 65
 <211> 683

<212> DNA
<213> Homo sapiens

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actggccctc cagaaaaaaa gag 683

<210> 66
<211> 1273
<212> DNA
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<210> 67
<211> 2549
<212> DNA
<213> Homo sapiens

<400> 67

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<210> 69
 <211> 850
 <212> DNA
 <213> Homo sapiens

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<210> 70
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 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(859)
 <223> n = a,t,c or g

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 <211> 864
 <212> DNA
 <213> Homo sapiens

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 <213> Homo sapiens

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<210> 73
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 <212> DNA
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<220>
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 <223> n = a,t,c or g

<400> 73

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 <211> 3644
 <212> DNA
 <213> Homo sapiens

<400> 74

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<210> 75

<211> 1151

<212> DNA

<213> Homo sapiens

<400> 75

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<210> 76

<211> 3719

<212> DNA

<213> Homo sapiens

<400> 76

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

<400> 84						
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 <212> DNA
 <213> Homo sapiens

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tgcaaataga	aagaaaacac
gtctgtaatt	ttggactgaa
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<210> 86
 <211> 654
 <212> DNA
 <213> Homo sapiens

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catgtgtgac	atgtatacca
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<210> 87
 <211> 1404
 <212> DNA
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<210> 88
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 <212> DNA
 <213> Homo sapiens

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<210> 89
 <211> 465

<212> DNA
<213> Homo sapiens

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<210> 90
 <211> 871
 <212> DNA
 <213> Homo sapiens

<400> 90
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<210> 91
 <211> 1301
 <212> DNA
 <213> Homo sapiens

<400> 91
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<210> 92
 <211> 815
 <212> DNA
 <213> Homo sapiens

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<210> 93
 <211> 855
 <212> DNA
 <213> Homo sapiens

<400> 93						
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<210> 94
 <211> 398
 <212> DNA
 <213> Homo sapiens

<400> 94						
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 <211> 529
 <212> DNA
 <213> Homo sapiens

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<210> 102
 <211> 697
 <212> DNA
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 <223> n = a,t,c or g

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 <211> 711
 <212> DNA
 <213> Homo sapiens

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<210> 104
 <211> 429
 <212> DNA
 <213> Homo sapiens

<400> 104
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<210> 105
 <211> 1028
 <212> DNA
 <213> Homo sapiens

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<210> 106
 <211> 738
 <212> DNA
 <213> Homo sapiens

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 <223> n = a,t,c or g

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 <211> 851
 <212> DNA
 <213> Homo sapiens

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<210> 109
 <211> 959
 <212> DNA
 <213> Homo sapiens

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 <211> 435
 <212> DNA
 <213> Homo sapiens

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<210> 111
 <211> 3545
 <212> DNA
 <213> Homo sapiens

<400> 111						
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<223> n = a,t,c or g

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<210> 127
 <211> 399
 <212> DNA
 <213> Homo sapiens

<400> 127						
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aatgcacctc	ctgcgagaaa	agctgctgga	cctgctgcct	cctgagctgt	gccagcgtgt	180
gcccagggtc	gcgactgcta	aggggcataa	gagaagagca	gctgctgtgc	ctgatgatgg	240
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caacactgag	ccattttgctg	catttctttt	tataactaat	atgtgactga	caataaaaaac	360
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<210> 128
 <211> 755
 <212> DNA
 <213> Homo sapiens

<400> 128						
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tagctcaaaa	tttacaagaa	ataaaaatgt	gtacagtaaa	aattaatctc	ctttccaccc	180
catgaccctt	agccaactcag	atctccccag	aagcaaccgc	ttataaatat	acattgtctt	240
cccccgctct	ttctttgctc	atgaacacaa	atggttgggt	tctacctaca	aagtgttctc	300
tactttttatt	tttctcagtt	gatttatctt	ggagatcatg	ccaaatcagt	aaatatagtt	360
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ctgctgaata	ccctattttag	cttcaagatt	ttcccattca	tggctggggg	atttaaaaaa	720
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<210> 129
 <211> 1509
 <212> DNA
 <213> Homo sapiens

<400> 129
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 cccccctttt tttttttttt gactaagcaa aatttgtact tgtttaataa gaaaatcact 180
 tcttttaaaaa aatagttctt tacatgctga gggttcacta tgcaatgcaa gagctgaaaa 240
 cagattcgag aaaggctgtt cctacaaggg aaggctctga ggttacaacg ccggcatggc 300
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 gcacacactg tgagctgctc agaggcactc tgggtggcag ctcccatcgc ctcagtcagt 420
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<210> 130
 <211> 1245
 <212> DNA
 <213> Homo sapiens

<400> 130
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 tttccgcagg caaagtggca ttttctaaac atgtttgctt actgccaggg ggtttgaaat 240
 ctatgattta ctgcagtagt atgtgcttaa aacaactgtt gaggtctttt aagcaggaaa 300
 gttcaaaagg aagtgtcctg ataatggtac tgggttttct acaaataaa gtagtcattt 360
 agaagtttgc aaccaccacc aagtctgaga gaactctggg atattctgtg ggttttggca 420
 tattagatag agaaaaatgac agatctagat gaaggagct tttggatgtg tgcctttaaa 480
 aactgattat gtataaatac tgatatttca catacggaga tatttgaaga cccaagtctg 540
 cctttcacag agccctccat tccaagttta gtttttgtca aaatatgaat cattttattt 600
 gactgtacta tcagtacaca aatgcatgag tatgtttata cagtgtttaga ctgatgtgaa 660
 tttgcatttg ttacattaca ttgocagcgc atatcattta gcaagttggc attaacattt 720
 atgctttaat taaatgccag tatacctatg tgtgcagcag taaaaaatta gtgagaaaaa 780

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gcaacttttt gtcactctta ggaaatattt tgtcttatta gtgttcttgg cacatgtata 840
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acaatgtccc tgatattgag ctaactctta aaaaaaccaa acaaaactcg tatctgagtg 960
taactttgcc aatattttta aagccaaaat attctctgga caacaaattt gtattgtctca 1020
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aggctggagt gtagtggcgc agtctcagct cactgcaacc tccacctccc gggttcaagt 1200
gattctcctg tctcagctcc ctgagtaact ggaattacag gtgcc 1245

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<210> 131
 <211> 694
 <212> DNA
 <213> Homo sapiens

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<400> 131
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ccaggcatcc ctgcactctt aagggcccgg gaaggccctc tccctcacag gctcagaaat 120
gcctgtctcc actgcctggc ttctccctgc tgtcagcacc tgctctaata tcagagcaaa 180
agcaggggta atcctgggca ctatcacaac caggccatat gtgcacacct ggggcagtgc 240
tgacatggca accccctacc accttgccc ctctctggact ttgggcactg acaagcatag 300
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gtgagttcct tgtgaggtcc caccttcagg ccaggtaggg cctgaaggct gggggctggg 480
ctgccagccc caccgactga agtgggaacc tgtggggcct tttctgagcc tgcccagggc 540
ccccatggac caattgggat ggacttcctc ccctctgcac cccaaaaaac cctgggctct 600
gccagaactt aacagaagtt gggaatgaac cggctggggg gaagaagcta ccccaatccg 660
gggccccccc ctctgttgag aaccaccca tgtc 694

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<210> 132
 <211> 466
 <212> DNA
 <213> Homo sapiens

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<400> 132
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gggggagtag tatcatccta atattatggc ctttatccat gaacatcgga tgttactcca 180
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tggggataca aagattttat tttaaagttt agatacacag gtgtaatttg taaaagacag 420
aaattggaga cctcccaaat gggctattga ttgaaccttt agggaa 466

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<210> 133
 <211> 1845
 <212> DNA
 <213> Homo sapiens

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<400> 133
ctatggacca aggactacag gccgggacag gatttgcgct tgcttagtca agctaccctg 60

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actttccatc caacagtacc tagcccgctc acattgttgg ggttgctgcc agctgaggac 120
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ccagagtgtg gagggaataa gtattttacca gttcttgggc gtacctactc tgggtgggtg 420
gagacctatc caacaagagc tgagaaagct cgtgaagtaa cccgtgtgct tcttcgagat 480
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<210> 134
<211> 1019
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (1019)
<223> n = a,t,c or g

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<400> 134
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gggttcttat ccctgatgca catggccccct gctgctgtgt cattccccta ttggctaggg 180
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caggatggag caggtaatcg aaaaagggtg ctttatgaag aaagttaagt ttccaagtag 360
aaggcaaaga atttgaacat actgacatta ctggattctt taaagagaaa tttagaactc 420
atatctaaca cactgatggc tatagcatat cctctgtcct ttttctatc tattggagga 480
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gaagaggagg tgataaggca ggtgacattt tctctctctt cctcttttta ggctcttctg 600
tgtgtaactg agccagggct gctctaatta aagcccataa cattaaagat ttactggga 660
cctgatgcct ttgcacctga tgttgtttta gatttctccc cacttgttcc cagagtctta 720
catctagtgt tctttcctct gggaaccatg ggctttgtac tccattattg accacactag 780
tttttaattc cttcaacaac tgaaattcta gtgggggtgtg ttcatgaata aactgctgtg 840

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gattattggg atcaggcctt atggaaacag gaacagcgca aggtcctaag ggctctccag 900
ctatgacagc agagcgtaaa attctttgta ttggggtttc tatttgtgct actgaaggag 960
cgagtacaga tgtttctgca attggaggag aattccacca cgtggactag ggtttcgat 1019

```

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<210> 135
<211> 764
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(764)
<223> n = a,t,c or g

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<400> 135
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tgctgcactt cttttgctgt gaaacaagtt ccttagttag aaccaagggt gtgtgggaag 180
ccatcaatat ggtattcgca aagtccatga atgggtggtc tgacagatgc attgctgtca 240
ggcaagtcaa gttcctattht agaaaagtgt ctttttcaga gaagatagat cactgcccc 300
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atattagtct gtgtcatttg cagtttaggc actccatagt ttctctagct agatgcagcc 420
ttgggtgagg gcagtcctatg ttgtggtgtc catgcttaac ctccatctct gttgacatgg 480
ccacattgta cattaatgca tcaagcagcc tcagtagcaa gggaaaaaaaa gctgactgaa 540
caatggcttc ttatctatgt tattaagatc ctttttttaa attgcttagc ctttagagaa 600
tattcactta agaaacaaat atatttagcc aggtacggtg gctcacgcct gtaatcccag 660
cactttggga ggccaaggcg ggtggatcgc ctgagggnca gagttcaaga ccagcctggg 720
ccacataatg aaacctgtc tctactcaaa atacaaaaaa aaaa 764

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<210> 136
<211> 1016
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1016)
<223> n = a,t,c or g

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<400> 136
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gacaatgaag aatatttatt gaggtttat tgagtgcagg gagaagggtc ttgatgcctt 180
ggggtgggaa gagagaaccc ctcccctggg attctggaag tctaagttht ccgtgggtgg 240
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gggggggtgg tctccactcc ccgctttgac gggggetgct atgctgcgct tccagggcna 480
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ttgggctgac cttaggaccg gtcagctttg gtcccctccg ccgaatacca ctgtagtgct 660
gctgtcccac gcctgacagt aatagtcac cctcatccat agcctgtgtc ccgctgatgg 720
tcaaagtggc tggtgttcca gagttggagc catagaatcg tttatggatc cctgaaggcc 780

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gcctgctatc	ttcatagatg	accagcacgg	gggactggcc	tgctttctgc	tgataccagg	840
aagcatatct	atcccccaat	ttatctccag	agcaggtgat	gctggctgtc	ttgcctgggg	900
acacggacac	tgagggtggc	tgagtcagct	cataggaggc	cacggatcct	gtgcagtaag	960
caaggacgcc	gaggaagaga	gggatccatg	ccatggctga	gcgacctccg	atgctg	1016

<210> 137
 <211> 727
 <212> DNA
 <213> Homo sapiens

<400> 137	
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gcgaggagga	gtctgatctg
cgtgtgattg	tggtgcgttg
accctaggta	ttgtacctct
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agttctctat	tccggagtgt
gcttccaagc	ctaaatgctg
tgagaggacc	tagacgtgtg
gtacattgca	gctctttcag
tgacgtccgt	tctccatgct
tataggaggg	tttatagaag
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tctttttt	

<210> 138
 <211> 659
 <212> DNA
 <213> Homo sapiens

<400> 138	
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aacatgaacc	cctctgccag
tggtctgtcc	tttgccagct
cctcagacag	atgttgcaac
cgagagcccc	tggtggactgt
tccgtccgtc	cgcccccggt
tctgcccgcg	ccaccacgcg
cccaccctga	cgctcttccc
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<210> 139
 <211> 2068
 <212> DNA
 <213> Homo sapiens

<400> 139	
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ggaggggggtt	gccccgggtc
cccagggggcc	gcaggagggtc
	60

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gatgtgaata agatcgagga gttcttagag gagaaattag ccccccgag gtatcccaag 1620
ctggggaccc aacatccga atctaattcc gcaggaaatg acgtgtttgc caaattctc 1680
gcgtttataa aaaacacgaa gaaggatgca aatgagattc atgaaaagaa cctgctgaag 1740
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tacagcaccg aggatgtcac tgtttcttgg aaggaaagt ctggatggag accaccctg 1860
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<211> 580
<212> DNA
<213> Homo sapiens

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<210> 152
 <211> 1040
 <212> DNA
 <213> Homo sapiens

<400> 152
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 gagaggttaa aggagccacc ttattagtaa tgttgatagt agaattgatg ctagggtgac 540
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<210> 153
 <211> 849
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1) ... (849)
 <223> n = a,t,c or g

<400> 153
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 ccagagcatt ttaaattaat cctttctggt tcattattcc tcacttacac ttaaaatgac 360
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<210> 154
 <211> 860
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = a,t,c or g

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atcccatttg tgggttctct taattctatc attgcttctt ttctgcgga aaagttttta      180
gttttatgca gtctcatttg tgtgttttgc ttttggtgcc ttttggaata atctacagaa      240
aatcatagct caggccaatg tcatacagtc tcttctata tttccttgta gtagttctac      300
atttaaactt taattttgat ttgatgcttg tataaagagc aaaataaaaag tcaaatttta      360
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ccccatttaa tccctctgaa cagccacc cgaacaccg gaccgcgca acggaccgc      780
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<210> 155
 <211> 552
 <212> DNA
 <213> Homo sapiens

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<400> 155
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ctgacatgga gctgaccaca gctcttgag gcatggcctg aggccttaga aatagacaga      180
gatcatctga gatttcagca gtggggccac gtggcagcg ccgaaggcct ggagcaggag      240
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tcgtggtgac tgtggccatc acctgcgtcc tctgctgctt cagctgtgac tcaaggccc      480
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<210> 156
 <211> 1120
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)...(1120)

<223> n = a,t,c or g

<400> 156

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<210> 157

<211> 392

<212> DNA

<213> Homo sapiens

<400> 157

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gcaataagggt	aagaaaaata	aaatacaaaa	atcaacatac	aaccaactgc	aaaggaaatt	180
ttaaaaaatt	acattcacia	atagcataaa	aagaataaag	gatttagaaa	taaagttaat	240
gaaagaagta	caggacagta	cactgaaaat	tataaaacat	tgtcaaagga	aattaagacc	300
taaataaatg	gagatatgtc	coatgtttgc	aaataggaaa	atacagtatc	atcaagggtg	360
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<210> 158

<211> 1549

<212> DNA

<213> Homo sapiens

<400> 158

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<210> 159
 <211> 3431
 <212> DNA
 <213> Homo sapiens

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<210> 165
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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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<210> 168
 <211> 1714
 <212> DNA
 <213> Homo sapiens

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 <211> 5273
 <212> DNA
 <213> Homo sapiens

<400> 169

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<211> 768

<212> DNA

<213> Homo sapiens

<400> 170

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<210> 171

<211> 1660

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1660)

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<400> 171

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<211> 4001

<212> DNA

<213> Homo sapiens

<400> 172

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 <213> Homo sapiens

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cactgcgcc	tgacgggaac	gagaccagg	gacttctgcc	ccaccaggca	tccctcggtg	660
gggttgatt	tagagatggg	cctggacagg	ggccactttg	ggcagccttg	ggtgcaagtc	720
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<210> 185
 <211> 1735
 <212> DNA
 <213> Homo sapiens

<400> 185						
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cattctgctg	tgacagacc	cttttaaaag	tgatcacaaa	ccatttgctg	aatacttgtg	360
gaacttgaat	cctcaccaat	gtctccattt	tctggaatcc	atcccaaccc	ccaccttggg	420
cttttggaat	attgggctgt	ttgctctttt	tttccctctc	tctctgactt	cttggatatg	480
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gcccggtg	ggggggctca	tgtctggaaa	tcccatcat	ggtagggagg	cccagcgtg	1680
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<210> 186
 <211> 669
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(669)
 <223> n = a,t,c or g

<400> 186						
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cccttgagcc	tggctccttct	cgtgtgtggc	tggatctgcg	gcctgctcag	ctccctggcc	180
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ctggcggggg	tcagcatcta	catcagctac	tcgcaactgg	cctttgcgga	gacgggtgcag	300
cagtatggcc	cgagcacat	gcagggcgct	cgcgtcagct	tcggctgggc	catgggcctg	360
gcctggggct	cctgtgcctt	ggaggcattc	agcggaaccc	tcctgctctc	agctgcctgg	420
acctcagcc	tgagccccc	aatctgtggt	catctgagtc	cccagcaggt	gggagggaga	480
gggggagact	gagggccaga	gcggcagagg	gacccacca	gatcgccctg	cgccagagag	540
atgccgtctc	aggccaaggc	ctccctggcc	tctgttctgt	ccactctccc	cgaagggcag	600
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nnncaaggg						669

<210> 187
 <211> 1804
 <212> DNA
 <213> Homo sapiens

<400> 187						
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agaaagttag	ccagaaacat	gctgagcctt	tgacagacac	tggctctgag	accccgactg	240
cccgcaggct	ctacactgcc	agcgggcctc	ctgaggggcta	cgtccctctg	tggccgggag	300
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ctcatgacca	gcccagagaga	agaagaatta	ggaagcataa	atcaaagaaa	aaatttataa	420
atcccaataa	tgttcttata	gaacaagcag	aattagagaa	acagcagagt	ctgttacagg	480
agaaatctca	gcgacagcac	acagatggca	ccacaataag	caaaaataaa	aaaaggaaac	540
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gtgtcagttt	catgtaccag	cccagggaca	gcagcaatga	aggggaaggc	gtgggagagg	660
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aggg						1804

<210> 188
 <211> 1070
 <212> DNA
 <213> Homo sapiens

<400> 188	
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catttgtttc	gacatagttt gccctggcgt tgttcagttt tttttggagt accactaatt 180
tctcccatat	ctatgagcag gtagtatgaa ttttccattc tgggagagac tctattgtag 240
ctaaactgcc	tgtattcaag gatgccttac ctcattttat tctttgctgt gtacatattg 300
tataagattc	ttgtcaaagt ccactcttct atagcagaaa ttgcccttta tgatttttta 360
aaattccttg	agttatatgg aatctgcatg ttttaaacac ttacctgtct ggtagtgaat 420
actctgatat	ttattaatct acttagtttg taagtaaagt aaacatttac atctgggttaa 480
aatttactat	acccccccca aaaaaaaact acctgtttgt ttacctcata actgattctg 540
tttacatata	cccacacata cacaaccac caatctattt aagcttttaa tgtggacatt 600
ccaataagaa	aacagatcat tctcattgac tcttactttt tgagatgtat ggccaaattg 660
taatttatcc	tggctacaaa aagaagaatc taggcaaaga ctaaagaaag ccaattgtca 720
tgacacagtt	acactaggat tagactttgt taaaaataaa ctccacaagg atttgcaatg 780
gaatttcaaa	cattatcttg gggaaattctg gagaaaagac cattttactt agacctttat 840
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gccagacgca	gtgggcgcac gcctgcaatc acaacactct gggaagccaa ggcagaaaga 960
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taaaaaaaaa	cctggggggtt gggggccctg cctgtgggcc catttaataa 1070

<210> 189
 <211> 863
 <212> DNA
 <213> Homo sapiens

<400> 189	
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cccaggagg	aatggaagct ttcccgcac cctgcctcct tcctctggac tccctgtgtt 120

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ggtttatgta cttcaatgtg atacatcagc agtctctttg gtctgggctg acctccaca 180
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ctccaggaca agcgccactg ttgtgcgcag ctccagccaca ctgctctggc ctgagtttcc 300
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cggttacggg accgcccctt gcgataatac aaaaaccgtt ttgtgctgcg cctgaaaga 840
acgtgcccc a gttaggcctt cac 863

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<210> 190
 <211> 420
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(420)
 <223> n = a,t,c or g

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<400> 190
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cccagcccta gccaggcccta gtgcctgctg tagcacccta gaagatcccc agcagttggc 120
actagctgta cccaccttgc ctggggcccc cgtgctgggg gtogccccca agatgggtggc 180
ggccccaggg aggactgtac tgcagcccc agcctctggc cgctaggcac cccctgcctt 240
gccctggccc ctactccga ggcagcgcc atgctgcgcc tggggctgtg cgcggcggca 300
ctgctgtgog tgtgcgggco gggtgccgtg cgtgcgcact gctggctcat tgagggcgac 360
aagggtacg tgtggctggc catctgcaac caaaaccagc ctgcctacga gaccatnccg 420

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<210> 191
 <211> 988
 <212> DNA
 <213> Homo sapiens

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<400> 191
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cgcacaccac cacacctggc taattttttt gtatttttag tagagacagt ttcaactatg 180
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ccctggctca ttttctgtaa cctatactc caggcgtttc tccacatttc tctgaagcct 540
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atttggctac tcatttatta actgtccggg agttccagca gggtcacaat cacggctgtc 840

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tgataactgg	gacaattatt	catggagg				988

<210> 192
 <211> 967
 <212> DNA
 <213> Homo sapiens

<400> 192						
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tggcagaggt	tttaaaactct	gtatgtgggc	tggatatgtg	atctacacac	tgttttgtag	240
gttttctttt	tctctgattt	caattagaat	cagaaaactt	ggcagtattg	ggtttgaatt	300
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<210> 193
 <211> 2238
 <212> DNA
 <213> Homo sapiens

<400> 193						
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gaaatgactg	agaagataca	gtgatatgat	atttaaagca	aatattggca	tatgcttata	360
caagaaaggc	atcttacaat	aatatttctg	ttggtacatt	acaatttttc	agctagtaat	420
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gcgcaaggct	ccagggcaga	ggcattctcg	cacgggtcct	ccttctctct	cctgagcccc	2220
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<210> 194

<211> 3326

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(3326)

<223> n = a, t, c or g

<400> 194

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cgccgtacat	tgggcccctt	ttctctgtct	ctcgatatct	ctctggccctc	aatcgctctc	180
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gggaaactga	ggctcggctc	ggaaagggtga	agtaatttgt	ccaagatcac	aaagctgggtg	420
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<212> DNA

<213> Homo sapiens

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<211> 1587

<212> DNA

<213> Homo sapiens

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<210> 217
 <211> 740
 <212> DNA
 <213> Homo sapiens

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 ggtggctcat gcctataatc ccagcatttt gggagcctga ggtgggtgga tctactagagg 600
 tcaggagttc aagaccagcc tggccaatat ggtgaaatcc cgtctctacc gaaaatacca 660
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 <211> 926
 <212> DNA
 <213> Homo sapiens

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<210> 219
 <211> 845
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(845)
 <223> n = a,t,c or g

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<400> 219
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cgattgggtg gttggagcca ggactgctgg ggaggaggcg gctgcagcca gcagctgaca      180
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ctgagggctg ccaaggccag acaacgcaca tgtgtcctgg atcctcccct ggcctggggc      300
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caaggccaaa tacatacgtc acagaaccca ataaggtcct acagcaaatt cgacaggcct      780
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845

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<210> 220
<211> 2950
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (2950)
<223> n = a,t,c or g

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<210> 221
 <211> 2125
 <212> DNA
 <213> Homo sapiens

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<210> 222
 <211> 1947
 <212> DNA
 <213> Homo sapiens

<400> 222		
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<210> 223
 <211> 1131
 <212> DNA

<213> Homo sapiens

<220>

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<222> (1) ... (1131)

<223> n = a,t,c or g

<400> 223

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<210> 224

<211> 975

<212> DNA

<213> Homo sapiens

<400> 224

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<400> 225

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 <213> Homo sapiens

<400> 226

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974

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 <213> Homo sapiens

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<210> 228
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 <212> DNA
 <213> Homo sapiens

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 <211> 1593
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <211> 2701
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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 <211> 692
 <212> DNA
 <213> Homo sapiens

<400> 239

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<210> 240
 <211> 735
 <212> DNA
 <213> Homo sapiens

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<210> 241
 <211> 1970
 <212> DNA
 <213> Homo sapiens

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<210> 242
 <211> 1398
 <212> DNA
 <213> Homo sapiens

<400> 242						
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<210> 243
 <211> 1146
 <212> DNA

<213> Homo sapiens

<400> 243

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<210> 244

<211> 1004

<212> DNA

<213> Homo sapiens

<400> 244

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<210> 245

<211> 1970

<212> DNA

<213> Homo sapiens

<400> 245

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<210> 246

<211> 5201

<212> DNA

<213> Homo sapiens

<400> 246

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<211> 990

<212> DNA

<213> Homo sapiens

<400> 247

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<211> 1891

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<213> Homo sapiens

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<211> 3196

<212> DNA

<213> Homo sapiens

<400> 249

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<211> 1911

<212> DNA

<213> Homo sapiens

<400> 250

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<211> 5669

<212> DNA

<213> Homo sapiens

<400> 251

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<211> 7526

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

<400> 271

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<213> Homo sapiens

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<211> 562

<212> DNA

<213> Homo sapiens

<220>

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<210> 276
 <211> 1600
 <212> DNA
 <213> Homo sapiens

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<210> 277
 <211> 1293
 <212> DNA
 <213> Homo sapiens

<400> 277

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<211> 1479

<212> DNA

<213> Homo sapiens

<400> 278

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<210> 279
 <211> 1790
 <212> DNA
 <213> Homo sapiens

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 <223> n = a,t,c or g

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<210> 280
 <211> 5612
 <212> DNA
 <213> Homo sapiens

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<400> 280
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gcacccccga ggagctgacc atccttggag aaacacagga ggaggaggat gagattcttc     180
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<211> 995

<212> DNA

<213> Homo sapiens

<400> 285

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<212> DNA

<213> Homo sapiens

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 <211> 384
 <212> DNA
 <213> Homo sapiens

<400> 292						
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<210> 293
 <211> 461
 <212> DNA
 <213> Homo sapiens

<400> 293						
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<210> 294
 <211> 3620
 <212> DNA
 <213> Homo sapiens

<400> 294						
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<210> 295

<211> 627

<212> DNA

<213> Homo sapiens

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 gaactgcctc tgttcttact tggaaac 627

<210> 296
 <211> 888
 <212> DNA
 <213> Homo sapiens

<400> 296
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 aaaatacaact aacaaattcc cctccccctt ttctaaatta aaaacatagt atatatgaat 180
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 aggaaagaat tcaagaacaa gctgacagta aagtgaatc atgtttatta agaaagttaa 720
 ggaataggcc cagcacggcc gactcacacc tgtaatccca gcactttggg aggccgaggc 780
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<210> 297
 <211> 675
 <212> DNA
 <213> Homo sapiens

<400> 297
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aggccaacga gggac

675

<210> 298
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 298
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 aattcatgtt gcgacccat 379

<210> 299
 <211> 887
 <212> DNA
 <213> Homo sapiens

<400> 299
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<210> 300
 <211> 935
 <212> DNA
 <213> Homo sapiens

<400> 300
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 gtccctctga ataaaacata gttgtttata agtcttggtg taactgactc actcatttta 180
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<210> 301

<211> 2283

<212> DNA

<213> Homo sapiens

<400> 301

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acc						2283

<210> 302
 <211> 413
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(413)
 <223> n = a,t,c or g

<400> 302
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 ggcgagcgta aaggcatcac aagtggccgc tctcaactac tgtggttact acagactttg 360
 ttctttggga taacgactct caccatcttt gatgcttaca aacggaagcg ccn 413

<210> 303
 <211> 681
 <212> DNA
 <213> Homo sapiens

<400> 303
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 cctgggtccc agtgccctct cctctggctg gggcaggagg acctgccgga catagccaga 300
 tgtattacgg atgactgcag tcagctcccc caggctcctg cttctcttgc ctctgcttt 360
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 gggttaggag ttggaatcag gctgttaccg acaaaagggg tcaagggtgac tcattttcct 480
 tatcaogctt aggagttcaa gcgacttgct gatcttccta attcttaca aacctgccat 540
 gaaccagct ccttttgtat gactgacctt gccagcctgg gagacataga gtctgattgc 600
 ccggtctggg ggttataacc ccccggggtt tggacctgga aatccaaagc accctttggg 660
 gctaagacct gggccaagcc g 681

<210> 304
 <211> 427
 <212> DNA
 <213> Homo sapiens

<400> 304
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 ctgggtggctc ttcattgctg ctacatcttt atccagacgg agaagaccat ctacaccct 180
 gattcactac cgggtgttca ctgtgaacca caagatggac cctgtgacca ggacattcac 240
 tctggacatc aagggtggtc ttcccgatga ggggtggggg gtggtggtgg atcctggaca 300

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ctgggggttac atggtgtgct gaagtccctgg gggcatgagc caccagggcc ctcccagagg 360
gcagtcacca gccccacccc ctatccccac agaaccctaaa gggaaacacc gtgattagcc 420
agagtct 427

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<210> 305
<211> 609
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(609)
<223> n = a,t,c or g

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<400> 305
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cacagtggtc agcagcagac ctggtgcctg tctggagtc gttcctggga tgtgtatgtc 180
ggtctgcatg cccttgaatt accgtggaag taactctctc gagacagatg tctggatgga 240
tctttccaga gctcatcttt gaatccttgt tattataaaa taagaattaa attgttgaac 300
tataacactt aggggttaacg ggcacataaa tacttttttt aaatttttta acatatatat 360
atttttttca tcacattttc attgtattag gtatcagaat tttttttttt aattcagtac 420
agatttacgg cctggggggg gggctcacgc ttatagtcct aaagttcttg gattacaggc 480
gtgcacnctg tgcccggcct aacattaatt cttagttagt tgcacagtct tatgggcaca 540
aaagccaaat actctcatgc ctgaagaaag taagcatttt taatgcaaag gtatgagtag 600
acaatgatg 609

```

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<210> 306
<211> 608
<212> DNA
<213> Homo sapiens

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<400> 306
tgaagttctc tcaagaagct gacttgtcct tgttctctct ggatgctgat ccctattcct 60
gttcatatct ttcccttttc ttccctgctg ggggatggaa caatgaggct tctaccagat 120
atcagctccg actggctttg cttgaatcaa gagtttgccc ctggtcaatc agccatagcc 180
atggagtggg ggtcatgtgt gggggatcag gatgacacc actggatatg tctgaggcag 240
accagtgggg tgtaatcact agggacacct acatttgcct gtagtgtaga gagggactga 300
tgtcactttg gtgccaggac tgagtggcct tctcaggaa cagagccttt tgccgaaaaa 360
aggtttggga tcctgaggcc agaccagtca ggcagtcac cctgaacaga gcccatgcag 420
gacagtgggc atgagacccc aaacctctgg ctgagaatat tgccctcact taaagaagga 480
gctggaaccc gagtgcagtg cctcacgcct gtaatccag cactttggga ggctgagggtg 540
ggcagaacat ctgaggtcgg gagttcaaga ccagcctggc caacatcatg aggcttcato 600
tctactaa 608

```

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<210> 307
<211> 781
<212> DNA
<213> Homo sapiens

```

```

<220>

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<221> misc_feature
 <222> (1)...(781)
 <223> n = a,t,c or g

<400> 307

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gcgacccccct	cttctccatg	gtgggtctcat	tctgggtctcc	cgctctctctt	ctcttcaggc	120
ctctcgtgga	gactagttcc	gctgttttgg	tgcttgacaga	gcctcactgg	ctttctaggg	180
ccctgcttgc	cacgcaccac	acgggcattc	ctctctctgc	agtcctggga	cctccctggg	240
actcgaccag	gaagccaggc	acagggtctc	actgcttgca	atgctgcaaa	cacacctggc	300
ttggcggcct	tgccaggctc	aggcgctttc	tctgtgatac	cagtgtcctt	gttattgcct	360
gtaccagagg	ggttgggtag	aacttacctt	tattcgtgat	gtttcagatc	acatttttta	420
tccatggcta	tgagtccttt	ccattcttcg	aggatcctgg	attctgaaat	tcaaaagcca	480
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tctacaaaaa	atacaaaaat	tagccagcca	tggcggnggg	caactgtaat	cccagctact	660
cgggaggctg	aggcaaaaag	gtttgcttgg	accagggagg	caaagtgggc	gtcagcccag	720
aacatggcac	tgtactccag	cctgggcaac	anagttagac	cctttttttc	caaaaaaaaaa	780
a						781

<210> 308
 <211> 1391
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1391)
 <223> n = a,t,c or g

<400> 308

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acagaattgc	taacattttc	ataaaaataat	tactatactt	cagttacagg	acaaaaatacc	120
acagaaagga	atgtactttg	caagaaatgg	tagttcatcc	taagtttcca	aatacttttg	180
gaaggcta	gcagcagctg	ggcaaaaataa	cacacagtac	acaaagaaca	gtgtatttca	240
cagagtcagt	aatgaaaaac	tgacagctct	ttaggcagga	tatgcttttt	ttcatttttt	300
taaacataaa	ccacttttcaa	aaacacatgg	aaccaagatc	atcacatggt	ttacaatttt	360
aaaaaatcag	attgtacaca	ataggttaga	atagacaagt	tagaattgtc	atgattttta	420
caatcttaaa	tctacaattt	caactgtact	cctttcaata	tagaaataac	ctgctttata	480
ccaaattcta	ctttctgctt	gcaactaaaa	cactgtacaa	tgagatggat	acaatttagtc	540
aaaccttaaa	attaaaaaag	ctgtagacaa	cagaaggtaa	actggaaatc	cattttacaat	600
tcaaaaaact	cactaataac	aaaattaatg	ttcatcaact	tcatttataa	tcacatttgg	660
cctacaatgc	ctaactaaaa	tgacacatgt	acacaatata	cacccccagt	gtactaactg	720
gtctcttaca	aaaaatctga	acaaagcatc	ataagcagga	cactgggaag	aacatgtttc	780
aatgtagaca	tcttttaaaa	atgcattaat	acttacatat	caaaattact	agataaaagc	840
agcagcactc	tgctgacatt	tggcttaaaa	ataaatgaat	gaatgaagca	atttcacagg	900
atattattag	aaaaagaatt	ggtttttctc	ttgaagaaga	ctactaactt	ttgcacagca	960
actatttttg	atatccatct	tatcaaaaag	aaaaaagaaa	gcactgagaa	gtataacaca	1020
gttcatacat	gattgccaac	atgggtctgg	acaaaagaaa	atgggatgtc	caagcaaaga	1080
acgggtaaat	ccctgctcta	tttctgaact	ctgctggcaa	tctataaact	gaagcagtaa	1140
cagtggggga	aagcaaggga	acaaattcca	taccatcatc	tgacactaat	ggagtatggc	1200
attattaaaa	aaaataaagc	ttttgcattt	taataacccc	acagaaaagt	ctatgagcaa	1260
aagacttgat	ctgtttgcca	ctcaaaagtt	agagatctca	cagtgaattt	agaaaactct	1320
aattatacat	atttcggacg	cgtgggtcgn	ccctgcagat	gngatcatn	ccgacgggat	1380
cagtgggggc	c					1391

<210> 309
 <211> 874
 <212> DNA
 <213> Homo sapiens

<400> 309
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 tcctaggggt ttttggtttt gttttgttgc caacgaggaa cacagctctg ggggaatggg 180
 gtcattccacc tcgctttaaa aataagcaca tgatggctgg gcaccgtggc tcacgcctgt 240
 aatcccagca ctttgggagg ctgaggcggg tggatcacct gaggtcggga gtttgagacc 300
 agcctggcca acatggtgaa accccatcgc tactaaaaat ataaaaaatt agctgggcat 360
 ggtggcgcac gcctgtagtt ccagctactc aggaggctga ggcaggagaa tcgcttgaa 420
 ccgggaggtg gaggttgag tgagctgaga tcgcaccatt gcactccagc ctgggcaaca 480
 agagcgaac tctgtctcaa aaaaaaaaaa accccacccc caaacagaaa aataataaag 540
 taacttcaga attttaatgc tagaaattaa aggtagcatc cacacataat tccacctgca 600
 aaactcttag tgagaagatg acaatacgat cttactccaa cagttccaat cctaaaagac 660
 atccaaatta tgataaattt tagtcttatg aatgcgagga aagggtgaaa agaggtgctg 720
 gaaatacagc atgcagacca aacaaaaatc tccacagtca ctgaactcat attctagtat 780
 agggagcccc aaaacattta caagtgaatc tacatcactt tgatagagta agaaggcaag 840
 tgggaattcc gccacacgaa ctagggatct cgat 874

<210> 310
 <211> 802
 <212> DNA
 <213> Homo sapiens

<400> 310
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 tgttttggag ttatctaggt acctaatata tgccgtgttt tacagcccat gttcacagcc 180
 cattgagaaa tagacaaagt gggtaaggca gatgaatgaa aacatgtcag ttttattact 240
 gataatgtac tgcaattgga gaatgtggtc agatattcca aacttcctat gactgcacac 300
 tgaagagtct tctctttgga ggggagaaaa ataatgctcg tggctgtttt taaaattatg 360
 tttattatat atttattaaa agaaagataa tatttagaaa aaaatctcat tagtcaagta 420
 aaattttaga tactctatct tgaaaaacct tctgaaaaa gtataaaaaa tatttgagat 480
 atgtcagtat aacatagagc aatattcgat tctccctcct tggggcagca aatattttct 540
 gaaaatcaaa agtacagaat cttttaggca ggaaatacat tttggccaat tataatttta 600
 gaagtcaaaa ttgttaagg ttttggacca agcacaatgg ctacgcctg gaatccaac 660
 actttgggag gcttgaggca ggcacttcac ttaagggtcaa gagttcagaa ccagcctggg 720
 caacatggtt taaccccccc ctcccttaag cattaccta tttattgggg catgggggaa 780
 cactacgcct gaaacccag cg 802

<210> 311
 <211> 352
 <212> DNA
 <213> Homo sapiens

<400> 311

gcgaacagac	ctgcttgctc	agttgctggt	tttaggaaga	ggtgatcccc	gtaggagatc	60
tgaccaatgg	ccggacacta	taacttgaag	ctgccaaatta	ttgcagcaca	tgggactggg	120
aacaggagca	ccatttcctt	gagctcctcc	acgccaaaggc	ctgtgagcac	catggggagc	180
aacaccttta	ccaccttcaa	tacaagcagt	gctggcattg	ctccaagctc	taacttacta	240
agccaagtgc	ccactgagag	tgtatggatg	ccaccctgg	ggaatcctat	tgggtgccaac	300
attgctttcc	cttcaaagcc	caaagaggcc	aatcggaana	aactggcaga	ta	352

<210> 312
 <211> 1267
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1267)
 <223> n = a,t,c or g

<400> 312						
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ttttttctag	ttctgcacat	tcccctgatg	tattctcaat	gtagcagcca	gagagagcct	120
gcaaaagtgc	aaatttgatc	atgctgttct	tctgctccag	atttttcagt	ggcttctcaa	180
ctcattcaga	gtaaggccaa	aatccttacg	aagtcctata	atcatttgaa	tgatctgttt	240
ttgtctgcct	gtctgtccta	aaacacacct	ggctcatccc	atgctagcaa	cattggcctt	300
tgtgtcactt	cttgaatatg	ccaagcattg	cctcaggga	ttcatacttg	tgtcctttct	360
tcttggaatg	ctcttttctca	gatatcaaca	ctaacaacta	ccactcctca	aatatcacta	420
aatcactaaa	tcaatcctgc	cttattttaa	gagaaatctc	acttctctct	gcagttttaa	480
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acctgatagg	gaactttttg	atcctcacc	ccctcctgc	ctccgtcttc	aagtggggcc	660
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ttaaaacagt	gtcttttctc	tcaccgtgag	aagcctgcaa	actgccggtc	cgcgaggggg	840
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acgacctcgg	catttttctg	gttcctcgct	atcccaccgc	cctgtgggaa	aactccggtc	1080
gtccggcgnc	cggcgcggtc	tcacctataa	cgtcccgcac	acgcgggaga	gacagacctc	1140
taacctcgca	tattcgcgcc	atccgcgcaa	ttcgcacgca	aaccgatcct	aaccacccgc	1200
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cgcgctct						1267

<210> 313
 <211> 1927
 <212> DNA
 <213> Homo sapiens

<400> 313						
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aatgtgttaa	ccaaaagcat	aatatatctc	cagtaaacaa	ggacttccaa	cttatcctat	120
aactaaaaag	tcaactaaac	agttggtttt	agctagagac	aaacatcagt	cactgccacc	180
aaattccatt	atataaattt	attttgcttc	acatttaagg	agaaaccag	cagaggggtc	240
gccctgctct	tcccacttag	aaatgtactg	aaaagtgaca	agcccacaga	aggaaaggct	300
gtataaggaa	gtaggagctt	cagtcaaatt	tctactttca	ttaccctgag	ggaggtgaag	360

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gaggggtgtta ttttcatcag gtcaacatgg atgacagttt gatcataaaa aacagcccac 420
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ttggcagtgt ctctggtcac atgccatcac ttaggggtga aagaaatgct aatactgtac 540
cctgggtcct cctcagatgc cacagtggct cctgccctag gatgactaaa aatacggctc 600
tcctttcctt agagatactg gctcactatc aagaatagag gtagggaggc attgtgaact 660
ccagaagagt tgagtctatg gagtttattc cacagtggat acattaggct ttttagagct 720
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tgtggaagaa taccatcata atttgacctt gtactgaaag catgtaacaa acttctagaa 1560
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aaacctgttc caagagattt ttcaagatca gatacaatgc tctcaagcag aatggacagt 1860
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gaattcc
1927

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<210> 314
 <211> 535
 <212> DNA
 <213> Homo sapiens

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<400> 314
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gctccataca gtatctctat ctgccttgga cacttcaggc atatgtgcca tatatgacag 180
aacatcttgc acaacagctc gaatttgctg caaccttct cttgctctgg gcccactca 240
aaaccggcag acttacaaat tccttcgtaa atggggccagg gcagcatggt aaaatgtgct 300
gtatattacc tcttaaaacc ccgtctctc ctaaaaatgc aaaaattggc cgggcgtggt 360
ggtgcacgtc tgtaatccca gctacttggg aggtgacac aggagaatcc cttgaacctg 420
ggaggtaagg ttgcagttag ctgagatcgt gccaccgcac tccagcctgg gtgacagagt 480
gagacttcgt ttcaaaaaat aaaattttta aaatgcagag ggccatcctg ggcag 535

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<210> 315
 <211> 797
 <212> DNA
 <213> Homo sapiens

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<400> 315
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acatggtgaa accctgtctg tactaaaaat acaaaaatca gctggctgtg gtggagcatg 180

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cttgcagtct	cagcttctct	ggaggttgat	gcaggggaat	cgcttgaacc	cgccgggtgg	240
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acatgtcaat	tgccctgtca	ctaactaata	acaaaccaca	ctggcctttt	attagtttct	660
tgaatggcat	taaattcttt	ctgtctcagt	cagggtctgt	cacatacctg	gtatcttcca	720
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aaatattaat	agaggct					797

<210> 316

<211> 915

<212> DNA

<213> Homo sapiens

<400> 316

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tcaccagagg	tggagtgcag	tggtgcaatc	atggctcact	gcagatttga	cctcccgggc	180
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tatttttaaa	attttttctg	tttctttctc	ttctctttgt	ttctcttctc	tttcttgcct	360
ccccattatg	tgtatgttat	ttttttttca	tagttgtcgc	acagttcttg	aatagtctgt	420
ttcacttttt	cagtctcttt	gttctttgtc	ttctctgtct	ggaagtttct	attgatataat	480
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gatttccatc	tctctgcttc	acaggttctt	gcattgctgt	tactttattc	attagagccc	660
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cagttagtta	agcccctaac	agtcaatatt	cgtaaccac	agattggggc	aaaccgccac	900
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<210> 317

<211> 6248

<212> DNA

<213> Homo sapiens

<400> 317

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<210> 318
<211> 402
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (402)
<223> n = a,t,c or g

```

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cttgcgttgt gtcgggacgc gcagtagacg gatcagagg aggggagccg actacagccc 360
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402

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<210> 319
 <211> 635
 <212> DNA
 <213> Homo sapiens

<400> 319
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 gctgccaggc atgtgcacca ccaggacctt ttttt 635

<210> 320
 <211> 1311
 <212> DNA
 <213> Homo sapiens

<400> 320
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<210> 321
 <211> 867
 <212> DNA
 <213> Homo sapiens

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<400> 321
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agcagagtca aggcattctca aaaaaaa 867

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<210> 322
<211> 1144
<212> DNA
<213> Homo sapiens

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```

<400> 322
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ataa 1144

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<210> 323
<211> 366
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(366)
<223> n = a,t,c or g

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<400> 323

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ctctccttga	gcggaccacc	acccgctcca	gatccacttg	acggnccttg	accaaacctta	360
tgggggt						366

<210> 324

<211> 839

<212> DNA

<213> Homo sapiens

<400> 324

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<210> 325

<211> 677

<212> DNA

<213> Homo sapiens

<400> 325

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<210> 335

<211> 912

<212> DNA

<213> Homo sapiens

<400> 335

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 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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<211> 908

<212> DNA

<213> Homo sapiens

<400> 338

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<210> 339

<211> 332

<212> DNA

<213> Homo sapiens

<400> 339

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 <211> 385
 <212> DNA
 <213> Homo sapiens

<400> 340
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<210> 341
 <211> 733
 <212> DNA
 <213> Homo sapiens

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 <223> n = a,t,c or g

<400> 341
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<210> 342
 <211> 279
 <212> DNA
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<400> 342
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<210> 343
 <211> 2689
 <212> DNA
 <213> Homo sapiens

<400> 343

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<211> 326
 <212> DNA
 <213> Homo sapiens

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<210> 345
 <211> 1181
 <212> DNA
 <213> Homo sapiens

<400> 345
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 <211> 15214
 <212> DNA
 <213> Homo sapiens

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<210> 347
<211> 440
<212> DNA
<213> Homo sapiens

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<400> 347
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gtaaagcccc tccacggagc ccccgccctt ctgctagtgt ctttgtgcct cttgtcatgg 180
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acaaggtcag gtctggaaaag catccatggc tgtgatccaa tgcacggcag tcccggtggg 300
tgagccctga cccttcccag tggcatagggt gccctgggct cccctggctc ccactgggtg 360
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aggcgttggg cacaggcgtc 440

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<210> 348
<211> 420
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(420)
<223> n = a,t,c or g

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<400> 348
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gacgtgtgga tcttgctggc caagctgaag gtctctctcc tgccttggct tctctactat 180
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cgagtgggct acgatgtgag ccacatccgc tgcaagtcac agctggacct tgtcttctct 360
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<210> 349
<211> 687
<212> DNA
<213> Homo sapiens

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<400> 349
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 ttataggtgg gaaaataatg gtcagacaag gaaattagaa gcccagtggtg gaatgatgac 180
 ttgtattctg gcaactgaaga ttgtctctta ttactactt aaggtggaaa aaaacttttt 240
 ttttaattga ttgataaagg gtataattta gaatttagaa ttttaagccta gatacttcag 300
 cagtttttct ataactgaac aaagaaacaa agtagctctt gatggtccag taaaatgagt 360
 aagccagggt actccttaca ggtttttatat atagtaaact acattttctg ggaatatgag 420
 aattacgtta aaagagtacc aactaagaat aattttattg ttcattggaag atagggtaaa 480
 totcaatact gccttattta tacatgtact aatcaaaaaga gccattaaac tgtttttcca 540
 cactattata ctaagcacat ttcacagctt tacatgtcat ctgggcccag tgtggtgact 600
 catacctgta atcccagcac tttgggaggc caaggcagga ggatcactga gcaacattag 660
 gagacctcat ctctacaaaa aacttaa 687

<210> 350
 <211> 577
 <212> DNA
 <213> Homo sapiens

<400> 350
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 ttctgtgccc ctctctttat tggagccact gacctgcct gctggaagtg gggacactcc 180
 aaggccacct ctctaacacc tacatgatta tgatgttttt taaaaagtgc cccgtcgttc 240
 tgggtgaagca tcgccttctc ttctatgtt ctaccatgt ggcccagctt cccgtgggct 300
 cctttttgtc ctgtgcaccc actcccaagc ccttgctttc ttctggggcc cctctctctc 360
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 ccttgctctat gcctgtggg cacactggct gtattgtctc tccgtccag ttactaaaga 480
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<210> 351
 <211> 1050
 <212> DNA
 <213> Homo sapiens

<400> 351
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 ttattttttg cccacactca ttctcttctt cagagttcta tttttttctc tgtgttctct 180
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 cctaagtggg gggggtaaag ccagaggagg atttaggttg agcagtggaa gaaagattgt 660
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 ataaaattga aatttaattg atataggcaa gtggttatgc aaatgatttt tgcccatcct 780
 cccatttttag tcaggcaatt ttttagaact ttcaaccagt actttcttca gttgtctttg 840
 agatttttat aaattaaaga aaaagaaaca ggaaaaaaa gtgatttgga agctcattta 900

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ccccaaatcg	agctaccaag	gacagattgc	caaagcccaa	gaagaatcat	tgtgtaaaaca	1020
ttagagctca	gctggacctt	cagaggccta				1050

<210> 352
 <211> 1036
 <212> DNA
 <213> Homo sapiens

<400> 352						
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ttagtgtctg	tttaagagcc	aagcatttta	atthttgatga	agcccagttt	gtcagttttt	240
tcttggtgga	ttcatgcttt	tgtctcctca	gaaatctgcc	tacccaaaga	ttacaaagat	300
ttttcttctg	ttgggttttt	ttaatataag	ttttatgggt	ttagctgtta	aatttaggtc	360
tcttcatttc	tggttcacaat	tcagtcttta	aatgcataata	ggagagttgg	agggggagagg	420
agacacttgt	ccctcttaac	ttgtttcttg	gtaatgagtg	aattggcgaa	aataactaca	480
tgtaacactg	tagtcttgct	ttgtacaggt	tttgcatttg	gtagtctgcc	agtgtctaaa	540
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<210> 353
 <211> 809
 <212> DNA
 <213> Homo sapiens

<400> 353						
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<210> 354

<211> 409
 <212> DNA
 <213> Homo sapiens

<400> 354
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<210> 355
 <211> 1449
 <212> DNA
 <213> Homo sapiens

<400> 355
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<210> 356
 <211> 403
 <212> DNA
 <213> Homo sapiens

<400> 356
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<210> 357
<211> 794
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1) ... (794)
<223> n = a, t, c or g

```

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<400> 357
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ctccactcac atgccacctt agagacattt tataactctt tgaaggagac aaagacacaa 180
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aacaccatta tcactttgtc ttcttcttta ccttattttt tcttccttta tctggcttcc 600
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ctgccttctc tgtcagctca tctccattcc ctccctgccg gcctattttt ctgccatccc 720
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aattcttttt gccg 794

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<210> 358
<211> 4341
<212> DNA
<213> Homo sapiens

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<400> 358
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agtttctctt cataaacaat gtcaaaaaca aaagttttga attacaaaat gttaaaaaat 180
atgtcggtag ttaacagttt cactaatgca taaagttaca gatattttct aaagaaaaat 240
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attttgtaca aaatatgaag tctacatttt tattacttat taaccataaaa caaagatata 360
atgtatgtac aatattaaaa ggaagccata ctaaagccac actaaaaaga cacttggaat 420
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gaaagaaaac ctagacaaaa agatgttctt acacactgag ctttacacag tcacccaaac 780
attgatattt tgctttttcc cgagggcaaa aagagagtct tcccagaaac ctctctcaca 840

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aacatactga	acatccaaaa	tcaaggatat	ttgagaatct	atcagctaaa	gacggaagtt	900
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tccttcacaa	ggagaaggca	tctaaactgt	tttttttaat	gatagttttc	ataatggtaa	1020
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<210> 359
 <211> 652
 <212> DNA
 <213> Homo sapiens

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 taaggataat caccataata cttctggagc ctaggactaa taacctggat ggggagaagg 180
 aagagttttt ttttctttt tcttgagtgt aggcaaaaag ggctgcacat ccttttgtgc 240
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 atcttgttat gtggcccatg ctggactgga actccggggg tcaaggggacc ctccctatta 540
 acctctccag gttagccggga ccacaggggc acaccacctg gccgagatcg tcatgtttct 600
 gagttgtcta gaaaagcaag aaggcggagc gtctttgaaa ggactccata ct 652

<210> 360
 <211> 681
 <212> DNA
 <213> Homo sapiens

<400> 360
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 gttttgaatt ccaggcaaaa aaagtatttatt cttgtatgta ggtgcttcag aaagcaaac 180
 accaaaattg ttcatgtgaa cctagcctgt agagtttagc atatcaaaga aatagcattg 240
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 gatcatttta ttctttccag agttcttttt tgttgttttg ttttccattc cagagtttta 360
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 gaaactaagc agttcctatt aagatgctgt tgctggccgg acgcggtggc tcacgcctgt 480
 aataccagca ctttgagagg ccaaggcagg catatcacct gaggtcaaga gtttgagacc 540
 agcctgcca gcattggagaa accctgtctc tgctaaaaat gcaaaaaatt agccaggcgt 600
 ggtgacaggc gcctgtcatc tcagctactt gtgaggctga ggcaggagaa tcgcttcaac 660
 ctgagaggtg gaggctgcat a 681

<210> 361
 <211> 1221
 <212> DNA
 <213> Homo sapiens

<400> 361
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 gttggtgtct ttttttctt tctctggat tgtgaggaac tgaagtcttt aaatgaatca 180
 gcagttcatt ccttgaagtt agtcttgaag acatcagtat tttccattt catggtctgt 240
 cattttgtat tagaggagag taagacactg tataaatggt attttgcaac aaagtataaa 300
 cctttgggtt gtatgttttc tgttgcctta tagtttaaaa tggaatggac aggaacgttt 360

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gtccttaagc cttgggaaac c
1221

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```

<210> 362
<211> 684
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (684)
<223> n = a,t,c or g

```

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<400> 362
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gaatgcactg acacttttca ggtgcatatc caaggattct tctgtcagga cggagactta 120
atgaagcctt acccaggggac agaggaagaa agcttcatca cccctctggg gctctattgt 180
gtgctggctg ccaccccaac tgcattattt tttattggtg agatatccat gtatttcata 240
aaatcaacaa gagaatccct gattgctcag gagaaaacaa ttctgaccgg agaattgctgt 300
tacctgaacc ccttacttcg aaggatcata agattcacag ggggtgttgc atttggactt 360
tttgcactg acatttttgt aaacgcccga caagtgggtc ctgggcactt aacgccatac 420
ttcctgactg tgtgcaagcc aaactacacc agtgcagact gccaaagcga ccaccagttt 480
ataaacaatg ggaacatttg tactggggac ctgggaagtg atagaaaagg ctgggagatc 540
ctttccctcc aaacacgggt ctctgagcat ttactccgcc ttatatggcc acgatgtata 600
tttacaaggc acaatcaagg acgaggaggc agttcgatgg gcccagccg gtggctgtgc 660
ctcggaactt ttttgcacag nctt
684

```

```

<210> 363
<211> 933
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (933)
<223> n = a,t,c or g

```

```

<400> 363
ccaggagcca agagcagagc gccagcatga acttgggggt cagcatgctg aggatcctct 60
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ttgatttcaa gtacgccttc atcgggactg ctgtgggtgt cgcacatctc gctggcttcc 180
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cccttttttc caaacagacc tgggtgaggg cccctcgaaa aaaaaccgga gcctggcggc 840
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ggatttggag gccgcccccc ttggaggggg tgc 933

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```

<210> 364
<211> 777
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(777)
<223> n = a,t,c or g

```

```

<400> 364
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ctcaaaggga gattcctgac attcagcctt tgtcttagcc tgtcttttct ctcactatga 420
caagaatgat cctctctcag gtgtacaggt atgtttgcat ctggcttacg catgtctgca 480
caataaacgg actgcagcac ctgccatccc taaggcagca gatggtgcac aagacatcat 540
ttacacagaa gccctctgta ttntaagaat ctgacagtct tattaaggaa ctgatcatca 600
ctgtgcgata aagttaacct gaaagacttg gggaggggtct gcaattacta gactgaggct 660
ttgttgtaga gggcaccaat caaggggctg atacctttct tgataaaaat tatggagggg 720
tggtaacccc aaaaaaaaaa tcagcggggc cttagccttt tggagggggc gtgaacg 777

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<210> 365
<211> 1157
<212> DNA
<213> Homo sapiens

```

```

<400> 365
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agatgtctat agactgtttt atcatatggt agtgttttat catatatggt aggattttac 180
tatagaaaag aaggagaaaa ggtatgatat tttggtttct tttttaaatc aaatcctttg 240
aaagagtagt atatagtagg aatctcaata tgagatctaa aattatgatt cacatacata 300
tatttttatt ggttcccttt agatttaaag aacatgtaca gaataatttg cctagagatc 360
ttttaactgg tgaacagttt attcagttgc gaagggaatt agcttctgta aatggtcata 420

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gtgggtgatga	tggtcctcct	ggtgatgac	taccatcggg	aattgaagac	ataaccgatc	480
ctgcaaagct	aattacagaa	atagaaaaca	tgagacatag	aatcattgag	attcatcaag	540
aaatgtttta	ttataatgag	catgaagtta	gtaaaagggtg	gacatttgaa	gaagggtatta	600
aaagacctta	ctttcatgtg	aaacctttgg	aaaaggcaca	actaaaaaac	tggaagaat	660
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gtgtcatatc	atgtgccctc	tatgaggagt	tttggattaa	gtatgccaa	tacatggaaa	780
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aggatgccat	taagaatgcc	aaatcaaata	atgaatcttc	attttatgct	gtcaaactag	1080
ccggcatct	tttcaaaata	cagaaaaacc	ttccaaaatc	aagaaagggtg	cttttggaag	1140
caatcgaaag	agacaaa					1157

<210> 366

<211> 1158

<212> DNA

<213> Homo sapiens

<400> 366

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cactagatat	taatcatctt	tgagtaattc	ttctaataca	acatgctctg	catctagtta	120
ggcaagccag	ctccgaacac	agaggctcca	agaacagcaa	aagggtgcata	tccctgggga	180
gagcccatgg	ctggagttag	ttctccaagg	tgttcctgcc	cacacctttt	ctaatgagtc	240
cagttagttt	aactcaatag	tgtgtgaaca	cgtaagtaag	ctgccattat	ccaacaccgc	300
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gaaaggcgga	cacctcctgt	ctgtgcggat	ggtgcgctgg	ctctctcttc	tcgctttcca	1080
tcataataac	tatggtcaac	gctcgtctag	tgccgctatc	tagagacatc	gctacgcggt	1140
gaggactcgc	cgcgtgca					1158

<210> 367

<211> 963

<212> DNA

<213> Homo sapiens

<400> 367

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aaggacatgt	gttatgagtg	ggttattacc	actgtgggca	gctgggctct	cctgtgccag	180
aggacctctc	ggaaaccaca	cagaacatac	cagaagctga	cactcaactc	ctgtccaacc	240
cctattgttg	aagggtggcct	ggagtcattc	ccatccccca	actttccaag	ctgcatttcc	300
tggtcctgag	aaagccctca	tcaagagtaa	atgagaaaca	cagacacctg	agaagatggg	360


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gactatgaga tcttacggca tctcaaaggc cagaagtctg gacaggaaga ccagttgcat 420
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tgagtttgtc catcaactgt gcgtgcagat ctttactcgc atgcatgaca caggaagccc 540
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cccagcttcc cagaactgag atcactaaac caagaagagg aggcaccttg gacctgggta 900
aaggctcctt tccaagctac tgcacaaaga ggcccaggag aaatcaaaag atcatggact 960
ggt

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```

<210> 368
<211> 842
<212> DNA
<213> Homo sapiens

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```

<400> 368
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caccctacct agcggttctg gagctgccac tgtgacccat gcagggtcga gcatcccagc 180
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ctggccctct tcaaatccaa acgctgcggg gaaggagggg tgtagcgagg gtcatctagt 780
tttgtgtcga ctcccctggc ccgaacggac agggcaggcc tcaccctggg ggggcggcca 840
cc

```

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<210> 369
<211> 794
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(794)
<223> n = a,t,c or g

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```

<400> 369
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<211> 794

<212> DNA

<213> Homo sapiens

<400> 370

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<211> 5650

<212> DNA

<213> Homo sapiens

<400> 371

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<211> 538

<212> DNA

<213> Homo sapiens

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<211> 1209

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<213> Homo sapiens

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 <212> DNA
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 <212> DNA
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 <212> DNA
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 <212> DNA
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cttatcaaaag	ggtgggtttt	ttggtttttt	gacaagacag	ggtctcacta	tgtcaccocat	600

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638

<210> 379
 <211> 3043
 <212> DNA
 <213> Homo sapiens

<400> 379

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gcctcgcccc	cccaaagtac	tgggattaca	ggcgtgagcc	accgcgcccc	gcccattttac	480
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ccgtctcata aaaaaaaaaa gaaaaaaaaa aagggggccc gttcaagtaa aaaggccctt 2940
ttaaaccccg ttaatcccc tcgagggggc ctttttagtg gccacccttt ggtgggtgggc 3000
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<210> 380
<211> 497
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (497)
<223> n = a,t,c or g

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gtctcacatg gactgctgga gagtcaacgg gacctggcc gtctccagag ccacgggtga 180
gagccaaaga ggccgaccca agtgggagaa ggtctctcgg aagcccaggc ctcgagtgtg 240
gcccgcggct caccaggggt tcaggaggc agtgtgatgg gccgaggggg atttgtcatg 300
cactgggggtg ataccctcgt agtgtgaagg gaacagggca gattcagaga ctgcagcacc 360
agtgtctgag tgtaagatac actgtatgtt attatctcac ctaaaacagc tcctacaaat 420
ctcatagaaa cctgtggctc accaccctat gggctggaag tagagctttc aatattccgg 480
agatgaggtt tatcctg 497

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<210> 381
<211> 777
<212> DNA
<213> Homo sapiens

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<400> 381
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gaaaagatct gctgaaatag agcaaatcag aaaccaagta gtgtaaggca ttaggagata 180
catgaagaga atcgctattt gcttcttgta cagcgtgtgg caagtcattg ttagtagtca 240
tcgtagttag cgctggctcc atgcctaaag ccgtaggggc tccggggacc aattgcagag 300
tcttcatcat agtgacgttg gtagtaatcg ccatagtatt catgtccatt tcgatctctg 360
ttaagccaat aggtgatgtc atcttcaa atcgttctgt caaagcccat gtagagaaac 420
tgctggtacc actgctgcac ctccggccga gtccgggtccc acagctgccg cttctggcgc 480
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gggccccagc acaggagcag gagcagcgcc agcccggtca gggccaggac agcaggccgc 660
gcgggggagg cagccatggc ggcgggggcg gagcaggagg gcgaggggag cacttcgagg 720
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<210> 382
<211> 659
<212> DNA
<213> Homo sapiens

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<400> 382
gcaaaccacc taatacaagg cacatagtag gagcttatta tggatgatggg gtggcattgg 60
ccacagggcc ttgggctcag cctgtccctc tgtccctctg atctggatgg gtgggtatcc 120
aggggaagtac ccctacttga taggcctcaa gccctccctc ctgtgttcca gatcctttca 180
gcacctgcct ccacgtcctg cccctctgcc ctctctccct ggcatgatcc tggccttcca 240
gtcacatccc aaaatcactt tgcctgggtt cctttgggaa gcaaagcctg tctggggccc 300
tccatagaca gagaagctgt gaaggagata aatgctgaag aaggggtgag gagacagact 360
cagggggcaa tcaaagtcag gaaacaggct ggggtgtggg gctcatgcct gtaatcccag 420
cactttggga ggctgagccg cggatgacct gaggctcagga gtccgagaac aagcctgccc 480
gcatggggaa aactcatctc cactctaaat acacaaattt accccgcccg tggggcatgc 540
ccgtgtacco cctactccga aggctgggac aggagaatca cttggaccca gtgagccgag 600
atcgcttcaa tggagtccag ccctgggtga cagagcgaga ctccatctca aaaaaaaaa 659

<210> 383
<211> 392
<212> DNA
<213> Homo sapiens

<400> 383
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tttggttaat ctgcgccctca gactttaaga ttgcttatat atgattatcc agatttgtac 120
catctctaga attgaattta tttgtttgtg tgtttgtgtt tttttcaggg tgatttggtt 180
acctgtggaa ttttatcttg aaacaaaaat tttgaaggtc gtctttgtga ttgtgttcgt 240
gccaattatc ttgcctctcc acccttagtg gtagcttatg ccatagcagg cacagtgaat 300
atagatttcc agacagaacc tttaggtatc ttttccttta tgtatatgta tacctacaca 360
tacttttccc aatggaagtc gttatatatt tg 392

<210> 384
<211> 853
<212> DNA
<213> Homo sapiens

<400> 384
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cttgtctagc tcctgctctg actgagtgtg aatcttctca tgtgtggaaa atgggtataa 120
tcatgcttct cagagagggt gtatgaggat taatcacctg catggatgta acatacttag 180
attgagccca gccagaggag agaagtgagc tgatggaagc atggaaggcc ctgatagggt 240
tattccccct gcgaagttct gcttccccct tcacatatca ctgctgggag ccagc'ccagc 300
ctgcccacca ggaatttcat tccaccatag ctcttagagg ccgagggtgg aaacctcaag 360
aagagagcag tccatgaggg gttttggagt agggactcgg aagagggaca aggatggaaa 420
aaaggcttag ggaagaacta tggaattcct agtgatecag agagggcctg gaagaagagc 480
accagccagc tgggaagaca agtacttagc cttgaaacag agcaactgtg taccagggcc 540
caggcagggt aaattccaag gagtatcaaa tctttcaaaa agagccaggc atggtagctc 600
acacctgtaa tcccaatact tttgaaggct gaggcaagag gattgtttga tcccaagagt 660
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ggcgttttta gaaccccaat ttgcgcccgc ggcagccaat gtacctcttt ttatgggcca 780
caaaaccatc tcccgggccg ggtttaaaac gcgcgattgg gaaacccctt gctgccccat 840
tatactctct tcc 853

<210> 385
<211> 965

<212> DNA

<213> Homo sapiens

<400> 385

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catctaaaat	gaagtaagca	tttttagagct	aaattagaga	agggataatt	ccccattttt	180
cattccatgc	ctcactctgt	ccttcctttat	gcccattgtc	cctgaatcca	gaatttctct	240
ggcttaagtg	gttttagtctc	ttgttgaggg	ggagaaggaa	tagttgcctg	attgcattga	300
agggatatca	ttcagtaatg	attttccatc	tgcctcctcat	cccttcctct	gttacctcct	360
gtcactgagt	cttttagagtt	ccacagagaa	aatctgcttg	tatctagtct	ctgaaaactt	420
tcagggtttg	ccttcctttct	ctctgttaaa	ccttgctgcc	atctgctttc	tgtttttgca	480
tattatgatg	tctcccccatt	ccagtgaaca	tggagttttt	gtatctgttt	cttggttgat	540
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caatttttgt	catggggcgg	ttctcagcca	ctgaaacccc	actagaaagg	aattaatata	720
tatacttgag	cagacattgg	cctaaggttt	gcccttcttg	gggtaaatagg	caatattaca	780
ggtccggttc	cggggacggg	gagcgccctc	cgggacccac	aagacccctc	gaattctggc	840
cgcggtggcg	gggcggtaaa	cgagactccc	tctcccccct	cctcagattg	gggacacgcc	900
ctttcccagg	tctgcgcccc	ctcggtgtg	aggggggggg	gcgccccccc	ccccccccgc	960
ccccg						965

<210> 386

<211> 422

<212> DNA

<213> Homo sapiens

<400> 386

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cctaaccagg	gggctgtcct	gggtctaccc	ccctggttgc	tttccaccca	gagactcacc	180
cacaccaggg	cgtacttgaa	ctggctggcg	agtgaccggg	ggatgcggcg	gcactggagg	240
acaggagaga	gtcaggtaga	gaggtcttcc	aggccctggg	gggagaccca	acacctcagc	300
ccagcgltcc	tggggcggag	gccggcgcca	ggcctgcagg	aacacttcc	tgacacagat	360
gggaaggtgg	ctgactctgg	tctgcagatg	ggttttgggt	tactcagctt	gccacgacatt	420
gc						422

<210> 387

<211> 435

<212> DNA

<213> Homo sapiens

<400> 387

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agcaaaaaa	attatccatt	ctcaaaactga	tgaaattagt	gccatgcttt	gtaatttggc	120
cctcaaaacta	cttaactgtg	tatctgcctg	gaatatgaat	ataagactga	aatgtctgtt	180
aaaacccaaa	aatgtctcca	aagtctgttc	cgggggcctt	tatttcatat	atgttatgga	240
ctctcttta	ttcagccata	gatggcaagc	catttggttag	aaattatggc	caggtgcagc	300
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aaaaatttagc	tggggg					435

<210> 388
 <211> 473
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(473)
 <223> n = a,t,c or g

<400> 388
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 aactctggct tctccatcat ctgtgagggc ccaacacccat gccctgcgta atataaggtc 120
 gtggccagcg cctcctctc ctcccagccc tgaggaaacca tccttgcct caaggtggaa 180
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 accagaggct cttcccaagg aagcctgggt ccagaaaacc cacacactga ggcaacaggcc 300
 aaacacagag cctgggaaca ccaggagag catgtcccc aggggtcccag ccccaaccga 360
 agatggggaga gcccacaaacc tcccgccacc cagtcctcct tnngccccac gaaatcgtcg 420
 ncccggggnt tccgngngang gngtccaatc gaacggcttc aatggagcca cac 473

<210> 389
 <211> 376
 <212> DNA
 <213> Homo sapiens

<400> 389
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 agaaggggaat cgaattctac agtgatctta tcgatgccct tctgagcagc aacatcactc 360
 ccatcgtgac cttgca 376

<210> 390
 <211> 906
 <212> DNA
 <213> Homo sapiens

<400> 390
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 gcaggctcca tggaggagaa gcgagaagtc ttttcatatt tggtgcatgt ggccaaatgc 240
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 gaaacttttag agtttgtagc agattacagt ggacaagata atttcttaca acgagtgga 600

caaaatggct	taaagaatlc	gcgagaagga	gtccactgtc	aacagcatct	ttcaggatcat	660
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tgttcggatt	cccccccgca	ctccttttga	cactccagag	aatcctcact	tttctgggtt	840
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cgcttc						906

<210> 391
 <211> 680
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(680)
 <223> n = a,t,c or g

<400> 391						
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<210> 392
 <211> 1983
 <212> DNA
 <213> Homo sapiens

<400> 392						
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gactcattac	ataccatcct	gcaacaggaa	gtcctgttac	aagaggatgt	ggagctgatt	360
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gcttttacta	acctcgtgag	aaaagcttta	cgtctcattc	aagaaaccga	agtgaatttcc	720
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agg 1983

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<210> 393
 <211> 859
 <212> DNA
 <213> Homo sapiens

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<400> 393
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gttttttttt gccccaagtg gaaaaaattt tttttttgaa ttgttaaaaa caaaaaactt 180
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gccaaagacc ctatcctatg caagtcacat aaattgtctg ttgttagaaa ttcttttctt 540
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caagtacgtg ggattacagg tgcgtgccac catgcctggc taatttttgt atttgtagta 720
gagacggggt ttccaccatgc tggccaggct ggtcctgaac tctgacctc gtgacccgtc 780
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catgtctgac acagactcc 859

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<210> 394
 <211> 1407
 <212> DNA
 <213> Homo sapiens

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<400> 394
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tcaactcatgt ttgcacccgc ggtgatgcgt gcttttcgca agaacaagac tctcggtat 180
ggagtcccca tgttgttgct gattgttggg ggttcttttg gtcttcgtga gttttctcaa 240
atccgatatg atgctgtgaa gagtaaaatg gatcctgagc ttgaaaaaaa actgaaagag 300
aataaaatat ctttagagtc ggaatatgag aaaatcaaag actccaagtt tgatgactgg 360

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aagaatattc gaggacccag gccttgggga gatcctgacc tcctccaagg aagaaatcca 420
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taaaaaaaaa tactattaac tggacttctt aatatatact tctatcaagg ggaaaggaaa 540
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tcatgtacag gttttttatac ttcccagcta ttccatctgt ggatgaaagt aacaatgttg 660
gccacgtata ttttacacct cgaaataaaa aatgtgaata ctgctccaaa aacagagtca 720
cgtattccac tctccaacta cccacatatt ctttttgcaa tagccattag ggcattcatt 780
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<210> 395
<211> 319
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(319)
<223> n = a,t,c or g

```

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<400> 395
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gagaaaaacta agcaaagctg tgtggaagag cagaggcagg aagaaaaaaa caaagacaat 180
attggttttc accatttggg caagagaata aatcaagagc tatcatctaa agaaaatatt 240
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319

```

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<210> 396
<211> 2704
<212> DNA
<213> Homo sapiens

```

```

<400> 396
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gtcatgggtg tctcaatgac agtaacgttc ccgaaccccg gaccttagct gtcatttcac 180
ctgcgtcgtc ccggacgcca ttggtctgtt gacgtgggtc cgagccagca aataacgcca 240
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gccgggcaga caaaagaggc cggccgcgta ggaaggcacg gccggcgggc gcggagcgca 540
gcgatggccg ggcgaggggg cagcgcgctg ctggctctgt gcggggcact ggctgcctgc 600

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aaaa
2704

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<210> 397
<211> 1743
<212> DNA
<213> Homo sapiens

```

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<220>
<221> misc_feature
<222> (1)...(1743)
<223> n = a,t,c or g

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<400> 397
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tggcccaaaa ggagctcctt aagccaaagt acttgggtaca aagagacca tattcctata 180
aacatgttaa gtttgttctt aagcattcca gacttttaga ataagaactt catttccaa 240
ttttttattt attaacatgg ggctaaactt ttaagaaaca accctaggtc ttctatttcc 300
caggagctgg ttcaaagtct taaatgacaa tataacttca ttatgaaaat atactgaaaa 360
ggtacaaggg gctgatgtaa aaacgggtta tcaagggttc ccaggcatcc atggggactt 420
aagggttaacc tgaaagaata acccccagcc caggctgcaa ccagccaggc caggatgtgc 480

```

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aatatatttc	aaaaataaac	caatcatcat	ccaaacaaac	aggagagccac	ttttgtaggg	720
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caatgaaaaa	ataaagcatt	ttcatagact	taaaactgtc	attagtgcac	tccgcttttg	900
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aag						1743

<210> 398
 <211> 315
 <212> DNA
 <213> Homo sapiens

<400> 398						
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gctcgggtgt	agagcgggtc	ctctgtgctc	tgcctggcag	ggcgtgttg	gcctgggtctc	180
cctcactatt	tctatttgca	agcatgggct	ttctttccag	cagaatctgg	ttcctgggaa	240
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<210> 399
 <211> 397
 <212> DNA
 <213> Homo sapiens

<400> 399						
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cctaggtgaa	tccaggaatt	cactcaggag	aagtgaaggc	atacattcac	acaaaaactt	180
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gatgcaggca	acaaaggaca	atgacacatg	ctttgggggt	tctgtgtttg	ttttttttcc	360
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<210> 400

<211> 4175
 <212> DNA
 <213> Homo sapiens

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<210> 401
<211> 1703
<212> DNA
<213> Homo sapiens

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<220>
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<222> (1)...(1703)
<223> n = a,t,c or g

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<400> 401
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<210> 402
<211> 1433
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(1433)
<223> n = a,t,c or g

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<210> 403
<211> 554
<212> DNA
<213> Homo sapiens

<400> 403
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attctctgct tgag 554

<210> 404
<211> 1100
<212> DNA
<213> Homo sapiens

<400> 404
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<210> 405
<211> 538
<212> DNA
<213> Homo sapiens

<400> 405
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aagtgc aaac acccctccac caactgtcaa tgttgtggtt tctggtatca gtgccaacac 240
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<210> 406
<211> 859
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1) ... (859)
 <223> n = a,t,c or g

<400> 406

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<210> 407
 <211> 452
 <212> DNA
 <213> Homo sapiens

<400> 407

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cgcggctggt	cctcagtga	cacctgagta	gcacgacctt	tccgccctgg	acgcacgctg	180
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atttgacagg	aatgctaaca	cagctctgag	ataaggagct	gggactgact	tctgacagcc	420
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<210> 408
 <211> 1562
 <212> DNA
 <213> Homo sapiens

<400> 408

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<210> 409

<211> 3012

<212> DNA

<213> Homo sapiens

<400> 409

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<210> 410

<211> 1882

<212> DNA

<213> Homo sapiens

<400> 410

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<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<211> 985

<212> DNA

<213> Homo sapiens

<400> 424

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<211> 948

<212> DNA

<213> Homo sapiens

<400> 425

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<212> DNA

<213> Homo sapiens

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<211> 531

<212> DNA

<213> Homo sapiens

<400> 427

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 <212> DNA
 <213> Homo sapiens

<400> 428

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<211> 1958

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<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<213> Homo sapiens

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<210> 457
<211> 1322
<212> DNA
<213> Homo sapiens

<400> 457
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cgtacgtgag agcaaagaca agctctgtcc actctgtgca tattcagtgt aggtgctggt 240
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cagctatttg ttgtgtcttc gtggaccagc ttggcagcat gaatgctgtg accaacaaga 420
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ttaaaaagt	ggaaaaacag	ataccacag	ccgtggaagt	agcgcgtact	caggcagagc	660
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ga						1322

<210> 458

<211> 1842

<212> DNA

<213> Homo sapiens

<400> 458

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cggcagagag	tctgggtggg	tggaggggct	ggcctggccc	ctctgtcctg	tggaaatgog	240
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ccagggatca	gctgaccatg	tgggttagcat	ctcgggagtg	cctcttcagt	tacaacccaaa	360
cagcatatag	acgaagggtg	acagcattgc	atggaagaag	ttgctgccc	cacaaaatgg	420
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attcagtttt	atagtcaaga	acttgagctt	tctcatcaag	gcagctcagc	agcaggacag	540
tggcctctac	tgcctggagg	tcaccagtat	atctggaaaa	gttcagacag	ccacgttcca	600
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cagagggaga	tgccaaagtg	ctctgtcttg	cttggctctc	agggatggca	atgtgtccta	720
tgcttggtac	agagggagca	agctgatcca	gacagcaggg	aacctcacct	acctggacga	780
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<210> 459
 <211> 734
 <212> DNA
 <213> Homo sapiens

<400> 459
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 tgtagaagaa cacacagata gaatgaatga atacacagaa aaaagtcagt catggaatta 180
 ggggagggtt ttatgggttt attaatTTTA ttttaacaaat gcttctctgg gtctagacat 240
 tgttctaacc acttttcaaa tattaacttc ttaatcctag gagcaacctt atgagatagg 300
 ttctaataatt ccctactgat gaggaacca agatacagag atacagaaac caaggtaacc 360
 tgcccagagt cataacagtg cccagtggg gagccagaca gttccacctg gagatttatg 420
 ctttagagta aaagcagtgc tgttcagtgt gtgaccacag acagccaagg tctttgaact 480
 aagtccaatc cacagtgaga tgagcccaga aaatgagtgt tttgacagtt ccacaacatc 540
 caagagtgtg atgtatttca taaaagtatt ggtctggcca ggtatgatgg cttatgectg 600
 taatactatc gctttgaagg ctgaggcagg aggatacctt tggcttcaga gttcaaacca 660
 gtcgggaccg acatagttag acccctcgtt ttttttttta agagaaaaag tgccggggccg 720
 aaattcactg tccc 734

<210> 460
 <211> 620
 <212> DNA
 <213> Homo sapiens

<400> 460
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 aggcgcgcag gccgcggggc ccagaggcc cagaccccaa cggcctgggg ccttcggag 180
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 accgcgggga cttcccgccc cttcctgggg gctgcctgac ctccgactgt ggctgggggt 480
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 ctcccagccg gtaccatggg 620

<210> 461
 <211> 1477
 <212> DNA
 <213> Homo sapiens

<400> 461
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 tttgtgttct tagttcttta gggagaacta agaacttctc cctatttgac ataaaaaaag 180
 aaggtaaaac tctatctctg gaattcgtca tattccaaat attgtcccat gtacgttcta 240
 ctcatggtag ctctgtttga taaggaatgt acattttcaa tgattccaga tatatcgga 300
 aaattatggc ttttcacatt tctagacatt tcttctttct tacttgggtc cctaattatt 360
 aggttccaag acaagtcaac taaaagagaa atttgaaaga gtcagatggt ttatataact 420
 cttaaaatcc gtattggtgg attaagccat tctgatatt ggaccttatt gtcttcaccc 480

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gcacaatgag agtggagtag aatgcactat tgaaagtctc cttgtatcct gaaattctgt 540
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<210> 462
<211> 458
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(458)
<223> n = a,t,c or g

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<400> 462
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ctcttcgcct gtgtgcccc caccgagtag tgccacggct gggcctgctt tgggtgtctcc 180
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accgttggcc tcaaggactc tgtcaatgct gttgtcttcg ttgccttggg caccctccatc 300
cctggtaaca ccctgggaga ctttgggtgg gtaggatctc agatgagcca ggcaggggca 360
acacaggatc ctgccgaaat gagacacgtt cgcagcgaag gtggcgggcg tgcaggacca 420
gtgcgcgcgac gcgtccatcg ggaacgtgac ccgctccc 458

```

```

<210> 463
<211> 1280
<212> DNA
<213> Homo sapiens

```

```

<400> 463
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tgggacatca ttttttaagg gtatgttgc tgggagcatt tccctgggtt tgataactat 180
gtttggccaa attcacattc gacacagagg tcagactcaa gaccacgagc accatcacct 240
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tgtactgaaa gagacctgga ccaaacactg tgacaaagca gagctctacg atactaaaaa 420
tgataatttg ttcaatatag aaagtaatga caggtgggta cagatgagga ccgcttacia 480
atacgtcttt gaaaagaatg gcgacaacta caactgggtc ttcttgcac ttcccactac 540

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gtttgctgtc	attgaaaatt	taaagtacct	tttgtttaca	agggatgcat	cccagccctt	600
ctatctgggc	cacactgtta	tatttggaga	cctcgaatac	gtgactgtgg	aaggagggat	660
tgtcttaagc	agagagttga	tgaagagact	taacagactt	ctcgataact	ctgagacctg	720
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gtacttcatt	caataattca	tatatatta	gaaaacagta	tgaagatgta	aaacatctca	1200
gtaatatctc	atattgactc	cacattgaaa	taatgttttg	gatattttgc	attaaataaa	1260
atatactatt	aaaattaaaa					1280

<210> 464

<211> 2290

<212> DNA

<213> Homo sapiens

<400> 464

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tggtaggatc	agcaccttgg	ttccaggcat	cacgccagtc	attttatttc	catcatcatc	180
cttgtgaaga	aatggaagtc	tggagagggtg	aaatgatgaa	ggcaatctgg	ccacaaatct	240
tccttctgga	tcctgctctt	cagggcatgc	atctccatg	ctgaagggtta	aaatgggggt	300
catttgccaa	caaatattggg	agtccgcttc	tccttgaagg	ctgccatgcc	ctctagccgg	360
tcctgggttg	gaatattctg	ggcatagcac	atcccttcaa	tggccatccc	agatgcaatg	420
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agaatgggaa	gactggacat	tgtcttttga	cctccttggc	tcgtaaacgc	aattgctttg	2100
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cagactcacc                                     2290

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<210> 465
<211> 754
<212> DNA
<213> Homo sapiens

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```

<400> 465
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cttatgcttt tgtgctgtat ggacagtttg gggctcttgg atacattcca gtggctatca 180
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gaacacttca tgattacatg atggggaaac atgtgggggc tttgtctcta ttgaaatatt 360
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aagtatggta ttcccagact ctgagggctg gcgtgaagct tacactatgt ggtatggtgg 480
atgggactag ccttatgcgg gaagtctcat tgcctgggctc gccgtgggtt attttgcctc 540
aaccacaaga acgatacctt agttgaagga tgcatacta agactcctta gcacagtgcg 600
aagccgacac tctctgggtt tgtttccgcc aagagaataa aagctggaag gcccatggtt 660
ggactgctgc tgggtgcgcga cgttaaccct ccttcccccc ctttgggaacc cccccccaa 720
atttgaatta aagccccccc ccatattcgc cccc                                     754

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<210> 466
<211> 718
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(718)
<223> n = a,t,c or g

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<400> 466
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nnnnnnnnnn ttcccaaat ggggggaaaa acctttgcat atggccgaat aaacccacc 660
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<210> 467
<211> 4710
<212> DNA

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<213> Homo sapiens

<400> 467

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<210> 468
<211> 1277
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(1277)
<223> n = a,t,c or g

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gtgtgcatta aagaattctc taatataaaa cattttaaat gtggagaata ctttttcaag 240
atacagaaaa caattgttat gataggcaca cccacaattc ttataacaac atgcttgcca 300
ggataaaaatc cacctgagca ctcatctctc agatgtacca acgctagaaa agtgtaagc 360
actgaatatt gccaccact tttgcaatgt tttagtttca aactgattg gtatgaattc 420
tgaattacac aattaattac tgttattttt cagtctttct gccatgttcc atatagaagg 480
catgtattta atatgaatac ttaacacagc aacattattt gtgcaaaagt cacttccctg 540
tgttcatttt tcttttaaaag gcactatatt tagaaaagtt attacaacaa atagtgtttt 600
ggaagatctg aaactccaaa tcaatgtgct ccataacca taagtagatc taagaagccc 660
tgactgaaaa taacacaaat gtaaaaagtt gataaattta aagattataa aattggttta 720
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ggtttcaaag tgtcaat 1277

<210> 469
<211> 659
<212> DNA
<213> Homo sapiens

<400> 469
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tctgttgtcc cctgaggctg tgggtgcctct tgctctgggc cctggattct ctggatcctg 180
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gttgcctggc gctgtggggg attccacttt gccccgtttt caaaaatcaa taaccgggga 600
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<210> 470
<211> 1103
<212> DNA
<213> Homo sapiens

<400> 470
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gataactatt tcttgaagga tggcagaggc tccagcccaa cgtttaccca cctcttctc 420
caccacaagt gacgcacact gctcctaaca taccagtat tacattcggg ggcagttgca 480
gtttggaaac tacgcctacc tagaaacatt ttgaaatgcc aagttgtttt aaacttgat 540
gattaattca aataataacc ttctactaat accatcagct cttgattggt cacaagccat 600
tctggaaggc gtgagcacc tgctcatcat cctcccccc agccgcctct aggcactgtg 660
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aagtcgtgga atctctttta taaattctct acaattcttt ttaagaaaaa gaggggctta 1020
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<210> 471
<211> 434
<212> DNA
<213> Homo sapiens


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<400> 471
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ctgccaaagct cttgggttctg aaatcacagg cttcttatta gctggaaaaac ctgtgttcaa    180
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gaaatgcgtg gatacgatgg cctatgagaa aagagtgcta attacaaaaa cattgggaaa    300
aatagcagag aaatgtgatc gctgagatgt aaaaagtgtt taatgctagt ttccaccatc    360
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aatcacttgc cctg                                     434

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<210> 472
<211> 829
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (829)
<223> n = a,t,c or g

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<400> 472
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gtgattttctg tttgaggggt ttgtgtgatc atctaacaac aaaggagctg ggaaccaaga    180
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aagtgaact ccatctcaaa aaaaaaaagg gggggccctt aaaaagacaa atttataaac    720
cggggtttga aaaaaatttt tttttggggc ccaaatttta ttcccgggcc ggtttttaaac    780
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<210> 473
<211> 926
<212> DNA
<213> Homo sapiens

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<400> 473
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gcaacagagt gagactctgt ctcaaaaaac agagtattac aagagatgac acatttgaaa    180
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taaaggctgg gccttaaaag acaaataggc ttttaagctc ttgaggtcgg agttggggac    480
agttggaggt gtagtagatc gaacttgggt agggcctgtg gtagaaacta tctgagggcc    540

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aaaggccagg	gtcattgtct	tcctatatgc	tcacagctgtc	agagctgtag	accagatgga	600
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<210> 474
 <211> 667
 <212> DNA
 <213> Homo sapiens

<400> 474						
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ggaggtg						667

<210> 475
 <211> 1519
 <212> DNA
 <213> Homo sapiens

<400> 475						
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cttggacagt	ctacagaaat	gcattcttcag	ctttgacagc	cattgtcagg	agaggcccag	600
tgaatatatt	gccaccatct	tggagctcag	tgcccttgta	gagaaaaaga	gccagcatat	660
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tgatgtgctt	ctgctgagca	aggatgaaga	tgggaaggca	ttgtcagatg	aggatataag	900
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 <213> Homo sapiens

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<210> 479

<211> 2070

<212> DNA

<213> Homo sapiens

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<211> 1048

<212> DNA

<213> Homo sapiens

<400> 481

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 <212> DNA
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 <223> n = a,t,c or g

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 <211> 3884
 <212> DNA
 <213> Homo sapiens

<400> 484

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<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<210> 487
<211> 4198
<212> DNA
<213> Homo sapiens

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 <212> DNA
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 <213> Homo sapiens

<400> 491						
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cgactgtggc	cgagacactg	catcctgcct	tctccggagt	ccagcagtac	acagccatgt	180
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agcagcagca	gcgagaagga	gtttggagac	acggagctga	cgagatgtt	cgtgcccttc	300
ggcaatatca	tttctccaa	ggtgtttatg	gatcgagcta	ccatccagag	caagtgtatc	360

ggcttcgtga gctttgataa caccggccagc gccagggcag ccatccaggg catgaacggc 420
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<210> 492
 <211> 767
 <212> DNA
 <213> Homo sapiens

<400> 492
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 atcatcatca tcatcatcat catcatcatc actgatgata ctattttacca gggcatgggtt 180
 tgaattgggtg acttttgggtg agttcattat tggcagccaa atgctttatc cataccttca 240
 tattgaagaa tttgttatca ggaaactacc agtcctgctt tacaggaagt ctgttatcag 300
 atatcagatg gcaagtctcc catgtcttca gatgttcaaa caatattgtg gatgggtctag 360
 aaagagttaa agacatgctg ttaaagttag ggctagataa ttctctgatt ctttgatgta 420
 gtctggaaag aaacaatcca ttgtccagtt aataaatatt tagtggtttc atttttaaga 480
 cactcacaat ccacaaatgt ccctaacaat ttattatttt taaagaaaat gactttttat 540
 tccttgctag tgaaaaatgt acaattttata tgctgcaact agaaaaataa cagatatata 600
 ttcttccatt ctttttcatc ccaaacatat aaaaaataat ccattgattg ttcttgcatt 660
 tgcatactct attaaaagat atttcctaca tgcaactaat aagacatgct gactgttgct 720
 agctctaaat ttatgtaaag attttttatt tttgttaaaa tgttttga 767

<210> 493
 <211> 852
 <212> DNA
 <213> Homo sapiens

<400> 493
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 ctcccttaga tcctatcaaa tactgttgctc aaaattcttt cgtcatcctc tctgcactag 180
 aacttttaga attttaccac cattccactt ctagtaataa aaaatgggac aagtgtcagg 240
 ccaacagcca tttattgagt atttaataat tactggttac ctataattca tatcaaatoc 300
 tcaaaagAAC cctgttgagt aggtgttctc tttggcattt gacagtgtgg gaaatgaggg 360
 ataaagatat taaaagtttt gctcaaggcc ctgtaataag atagttccag accaaatacc 420
 acatgttctc acttataagt gggagctaaa tgatgagaac acatggacac aaatcaggga 480
 acaacaggca caggggccta ccagagggtg gagggtagga ggaggagag gagcaaaaaa 540
 aataactatt gggtagtaga ttttagtacct gggtagtgaa ataactctgta catcacacc 600
 ccatgacaca agtttaccta cataacaaac atgcacgtgt acccctgaac ctaaaagttt 660
 aaaaagaaaa aatgccaatg aaaacattat aaacttatga aaatccagaa gggtagccct 720
 atattaggaa ttatgactgg gttccttata ttggaggggc tattttaagg ttatatattc 780
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 gaaacacctt gg 852

<210> 494
 <211> 849
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(849)
 <223> n = a,t,c or g

<400> 494
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 gactcacatg gatattggacc attctccatt cctgaagtgc agatgggctg gccccatcc 180
 ctctgggtct tagccctggc atactgctgc aaagctccgc aacgcctttg cttaggaagc 240
 tccccgtgca ggttctcatc aaggatgtct gcctccctg ctacaaacag gaacgaaaac 300
 actacttctt ggattgcgtc tttacataaa tatgtaattt ccagtaaca tcacttctg 360
 gagtcagct tctcatcggt ctcggaacc tacagtttcc ctactcagtt ttgtccttgt 420
 caccaacagg ttatttggaa gtcactctgt ggctttagtc cctgattatt gcttctctg 480
 ttgtttcacc tctgatagcc tcttgatggg gccacgagaa tgaatcatta agactactgc 540
 agccgggtgc ggtggctcac tctgtgatc ccagcacttt gggaggctga ggcgggtgga 600
 tcatctgagg tcaggagttt gagaccagcc tggccggcac ggtgaaaccc gtctctactt 660
 agaatacga aattaaccgg gcggtggggt ggggcccttg ggatcccagc ttactcggga 720
 ggctgaggga ggagaatctc ttggaccctt ggagggggga ggggtccattt aacccaaatt 780
 gccccattg acttccgcc tgggcaccag agccggaatt ccgggtcaaa aaaanaaaaa 840
 aaaaaaac 849

<210> 495
 <211> 950
 <212> DNA
 <213> Homo sapiens

<400> 495
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 ctggagagtt tattgggagc ccaggaatat tcatttttaa tacacacaca cacacacaca 180
 cacacacaca cacactgac agagtaacag gagtttctct caggagtcac actccatgag 240
 cctggaccga gtgggttcttt atgtggaac aaatttcacc tataggtaac ctggtaactg 300
 ctattttctt ctgtgtgctc tgtcaacaaa ggtatcagtg gcttgcaaga gatgccttta 360
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 cttttgagaa gttactagaa ctctctatta gagacttacc ctctgacct gataaaaagg 480
 gatacccatg tctctattaa cagctttatc tcttctaca gttttgggta ttgataagg 540
 ttaaggcaaa atttttagtta tgcttaagga ggagttcttt ttccacaatt acagagaaaa 600
 ttttggtttg ttgaagattg cagaaacagc aatggtaatg taagacagtt ttggccttta 660
 attttttct tgaactcta cagtatacta caatagtgaa ggaactatt aacatgagag 720
 atccttctga ataggatgct tttctgagtt ccactattca gttacaaaac tccttaatgc 780
 ttaaaattca ttatgaaaat tagattttatt ttaaatactt tcaagtgtat acatttttat 840
 ttcataattt ttattgtctt ttaactaaag catttagttc atttatattt actgtgtacc 900
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<210> 496
 <211> 838
 <212> DNA
 <213> Homo sapiens

<400> 496
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gaaatgatcg	tgtaatat	acccttaa	cataagcctg	taaccgtag	catgccttga	180
gatgcacagg	tggtcttgtc	acttgatgca	ggcaacaagt	gttgacagcag	ttgtgtggca	240
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ctcttgcttg	tgacctggag	ctggacactc	tgccctgtctg	tgccgagacg	cacaagtggg	480
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ttagcttgcc	atggaatatt	caagaactat	cacatacgtg	tggaatacag	cgcggtatccc	720
gccttaataa	ctaacttttg	tgggcccggg	gggggatcat	aagaaaggct	ttaaaacctt	780
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<210> 497

<211> 598

<212> DNA

<213> Homo sapiens

<400> 497

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gctgcctgac	tgcttgcaca	agagtgatga	gaaggagtgc	cccaaggcta	agtcgaaatg	240
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gctttgctcc	accgcccgt	accactgcaa	gaacggcctc	tgtattgaca	agagcttcat	420
ctgcgatgga	cagaataact	gtcaagacaa	cagtgatgag	gaaagctgtg	aaagtcttca	480
agtcttcagg	ccccaggcca	gtgagtggca	agccaggccc	agagatctct	gcgcccgttg	540
gaacatcccc	tttctcggga	ggcttgaaag	gccatggcca	ttcacctctt	cccagcag	598

<210> 498

<211> 1902

<212> DNA

<213> Homo sapiens

<400> 498

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ccgactacct	caacctggtg	cagtgcgaga	cgctagagga	cttgaaactg	catctgcaga	480
gcactgatta	tggttaacttc	ctggccaacg	aggcatcacc	tctgacgggtg	tcagtcacg	540
atgaccggct	caaggagaag	atggtggtgg	agttccgcca	catgaggaa	catgcctatg	600
agccactcgc	cagcttccta	gacttcatta	cttacagtta	catgatcgac	aacgtgatcc	660
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cactaggcag	cttcgagcag	atggaggccg	tgaacattgc	tcagacacct	gctgagctct	780
acaatgccat	tctggtggac	acgcctcttg	cggctttttt	ccaggactgc	atttcagagc	840
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agtccttcta	caagtctctg	accctactgg	gcgggactac	ggctgatgcc	atgtgcccc	960
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agctgtccaa agaggaccgt gccagctct tccacactg tgggcggctc taccctgagg 1080
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tctgagacaa taaaactgcc ctctctaagg ccaaaaaaaa aa 1902

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<210> 499
 <211> 2122
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (2122)
 <223> n = a,t,c or g

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<400> 499
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accatgctca gataatTTTT taactTTTT tagagaaagg gtctcactat gttccccagg 180
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caccactgtg cctggcctaa aaatTTTTtg ttaaaaatgc tttccaccgg ccgggtgcag 300
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caattaaaat tgtcttgaaa gtatttattg ttttaataatt ctttctcccc tcagcccat 420
ccggccactc tctctttctg cttttctgat catcctaaag gctgaataca tctcctcat 480
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cacgtcactg tggggttagag tgctagtttt caacaaatgg tgggtgttct tatgggctcc 600
acaaggtagt ctttctcaa ggtcgctggg gccactcatg gattgaaat gccgtgccc 660
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cgacatgaac gtgaaatgaa agacattggt ggttgatgac tgcttctcct gcaggagggc 780
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cacaaacggc cgagaaccac caaagctaca agcagtagcc cagcgaagtt catatgcctt 960
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cttcttacac atatcaatct tatccaccag ggctgtaact atcgataaag gagacatctt 1500
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aagaatctg ccaaatctta cgggttttg aacagtcaaa tatttctctt gtaattcagg 1620
ctcactgccc aaaggcaaga gaacttcaat ataactgtcc ttcattctcc taggaggcag 1680
tccatcctgt gatttagcca agaaactatg aagtaatttc ctttcttcca ttgccttcc 1740

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atggtctctc cagtttgtgg atgtctctac tatctccgc aacttatctc gaacttcatg 1800
aatgtggaag attccctgtt tcttgggggt ctgggggtct tgagtcagtc ctcttccagg 1860
agtaagctgc cctttgcccc aggcacaaag ccgcagtgct gcccgcctca ttgcgctagg 1920
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tctatggggg gggggggggg cg
2122

```

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<210> 500
<211> 458
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(458)
<223> n = a,t,c or g

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<400> 500
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tgacctgctg cggccaactgc agcaatggcg gctcctgtac catgaacagc aaaatgatgc 180
ctgagtgcc gtgcccaccc cacatgacag ggtcccgggtg tgaggagcac gtcttcagcc 240
agcagcagcc aggcacatata gcctccatcc taatccctct gctgttgctg ctgctgttg 300
ttctggcgcc cggagtggta ttctggtata agcggcgagt acaagggtgt aaaggcttcc 360
atcaccaacg gatgaccaac gggggcatga acgtggagat tggaaacccc acctacaaga 420
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458

```

```

<210> 501
<211> 511
<212> DNA
<213> Homo sapiens

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<400> 501
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gatgtgagga gtgatgacga ggattatgaa gaggaagagg aagaggaaga agaagaggct 180
accaaaggca aagagatgga ttgtttaaag aacggcctcg gggctgagag gcacctcatt 240
cccaatggcc agcatggcca ttagctggaa gcctacagga ctcccatggc acagcatgct 300
gcaagtactg ttggcagcct ggcttccagg cccacacccg accccacatt ctgcccttcc 360
ctctttctca ccaccgcctt ccctccacc taagatgtgt ttacccaaat gttgttaact 420
tgtgttaaaa tgttaaatat aagcatgccc atggattttt actgcagtta ggactcagac 480
tgggtcaaaga tttcaaagat ttctccacaa a
511

```

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<210> 502
<211> 964
<212> DNA
<213> Homo sapiens

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<400> 502

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ggaaaagccc	cctcctccct	cggccggccc	tggggccgtg	tccgccgggc	aactccagcc	180
gaggcctggg	cttctgcctg	caggtgtctg	cggcgaggcc	cctagggtac	agcccgatth	240
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cacgtcctgc	ttcaggagga	ggtggccgag	ctgcagggcc	aggtccagcg	caccgaagtg	420
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gaaacagatc	gaccagaagg	aggccgacta	cggccgcctc	agcagccggc	tgcaggccag	540
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tcaatcaaat	gatggaaagg	aattggatat	aaacaatcaa	gtagtaccta	aaaatattcc	900
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tggg						964

<210> 503
 <211> 681
 <212> DNA
 <213> Homo sapiens

<400> 503						
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gccctacaga	aggctgggga	ggtgggtccc	cccgccatgt	accagttcag	ccagtacgtg	360
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cgagtcagca	ggggccgcct	gcccgggcca	gaacgggcag	ggctgccact	gacctgaaga	600
ctccggactg	ggaccccact	ccgagggcag	ctcccggcct	tgcgggcca	ataaaggact	660
tcagaagtga	aaaaaaaaa	a				681

<210> 504
 <211> 4179
 <212> DNA
 <213> Homo sapiens

<400> 504						
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ttaactgget	tttctccctt	cttaccaggt	acctgcacat	gttgttcttt	gtcagtgtctg	120
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<211> 971

<212> DNA

<213> Homo sapiens

<400> 512

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<211> 1404

<212> DNA

<213> Homo sapiens

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<211> 698

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<212> DNA
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<211> 2533
<212> DNA
<213> Homo sapiens

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 <211> 988
 <212> DNA
 <213> Homo sapiens

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 <213> Homo sapiens

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1194

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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 <211> 590
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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<211> 901
<212> DNA
<213> Homo sapiens

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<210> 539
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<212> DNA
<213> Homo sapiens

<400> 539
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caatatgggc agccacacca tgggccaaga agattgaagc cagataaagg aaagccccta 300
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<210> 540
<211> 732
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)... (732)
<223> n = a,t,c or g

<400> 540
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 aagctgggtt ctcccttggc agttttcttt gctctgtttt tctctcttat atttttttgg 180
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 ccccttgac ta 732

<210> 541
 <211> 1634
 <212> DNA
 <213> Homo sapiens

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 <211> 842
 <212> DNA
 <213> Homo sapiens

<400> 542
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 atccagcttt ggaggccttt ttggcccagt ttagccaatt ggaagataaa tttccaggcc 240
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 taggcccacg ggaaacggaa gaaaaagtga gagacttact ctgggcccaag tttaccaact 720
 cttgacactc ccacctcctt caaccacatg ggattcagga caaatttgag tggggctgtg 780
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 gg 842

<210> 543
 <211> 1100
 <212> DNA
 <213> Homo sapiens

<400> 543
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 gataattttg tttgatacat tatcctttct tatttagtga catgtgccag ttctctctca 180
 cttgctttca aatactgcaa gtgatgaggc aaaaattctt aaagcctctc ttaatactgc 240
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 cagacatata gaattattgt cttttcctgc agattaacat ttgggtggga gtctgagggtg 480
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 ggaggggctt gaaaaaacag taaggctaga tcgggcttgg tggctcacgc ctgtaatccc 660
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<210> 544
 <211> 939
 <212> DNA
 <213> Homo sapiens

<400> 544
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ggtgattgga	gccctgcgga	gagctcaagc	gcccagctct	gcccagaggag	cccaggetgc	180
cccgtagtc	ccatagttgc	tgcaggagtg	gagccatgag	ctgcgtcctg	ggtggtgtca	240
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gagccatccc	cagggaggac	aaggaggaga	tcctcatgct	gcacaacaag	cttcggggcc	420
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ggtgtccaga	gaggtgctcg	gggcctatgt	gcacgcacta	cacacagata	gtttggggca	720
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aagcccccta	caagaatggc	cggccctgct	ctgagtgcgc	accagctat	ggaggcagct	900
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<210> 545
 <211> 1053
 <212> DNA
 <213> Homo sapiens

<400> 545						
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aactctgtgg	aagtggctag	ccttgccatc	cctctgatca	tgttgacttc	atcaggggtgc	300
gagaagcact	tgagcttggc	gtcgggtgagt	tcctaagcc	tcttttgctg	gtgttgacgc	360
tcattgccagt	tactatggga	gaatgaatgt	gagagaggtt	ctcagagagg	atggccacct	420
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cttgtgaatc	cggcacactc	actgcctgtc	accacacctg	caggcgacga	ctgtaagggc	780
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ctttaaagtc	ttgtgtgtaa	aactgacagg	aatagtatta	actttggttt	aaaacagggg	1020
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<210> 546
 <211> 715
 <212> DNA
 <213> Homo sapiens

<400> 546						
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tcctttatag	tgtgagtaga	aagtcttagc	atttttatct	tttactcaac	aagaaattag	180
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cattcattcc	cttgacgctt	ttgtgatgtt	tgattgcaat	ttgccacttc	tggtgaggcg	360
ggtacgcaga	atacattatc	cagcttaaac	tcaacaaacc	ctgtttcaac	aaactgaaga	420

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agtggcttaa aaagttttca tgaattaaaa gctaattaaa atctataatg aacaatatcc 480
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ttgttgaatc agccccagta agatgtgaaa aaaaaaacag actaatgata tctgacaaga 600
agtcggccca agaagttcaa aattatcaag gtcaggtgca ggggctcatg cttgtaatcc 660
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<210> 547
<211> 812
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(812)
<223> n = a,t,c or g

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<400> 547
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catcgccttg tccatgatgc agatgtcatc atagggtogag acatttatgt tttataagtt 240
cagcttctag attcgggggt gcctgtgcag gtttgtcact ggggtgtactg cagggcgccg 300
atgtttgcgg tacaggcggt cctgtcgccc agctcatgag cacagtcccc aacagttagt 360
ttttcagccc gtgtccctcc ccagtcgtcc tagtatctca tgtcaccatc tttatgtcca 420
cttcacagaa atcagccacc gcctcctgtg ctcatacaac accaaccattg aagagctctt 480
tgcagaaatc gatcagtgct tggccataaa tcgaagtgtt cttcagcagt tggaagaaaa 540
atgtggccat gagatcacag aagaggaatg ggagaaaaatc caagtgcagg taggtttggc 600
tggcagcctg gcaaccagca gactcagctg cagctgcaga ggctgtgggg agtggcatgt 660
ggggggaggt cgaggactca ctttggggaa gccttaggag tgttcaggcc cggggttgca 720
gccctgggag gttttggggg gttggcatnt tcggggggan gttcnaggat tcacttttgg 780
ggaagcntag ggattttcag gccccgggtt aa 812

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<210> 548
<211> 578
<212> DNA
<213> Homo sapiens

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<400> 548
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gaactcttcc tgcactctatt gctttccaac tgccatcagc tcaaaataat tcttatccca 300
aagtgtcata ttttgggggt gcatactctg atcccttca ccagtaaaat ctgggattcc 360
tacttcattg tccagtgttt ctccattttt actacactgg caaatgtgtt tatggaggaa 420
gataatccgg taagtgagtt acaagttttc cagtgcata gaacgatatg aaaaaatta 480
tgagtttaga aaagttgaac atggtagata gaggccaatg ttggaacaa ggaaaactag 540
atccccccc ccccttggtg aagagtagag gccaccac 578

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<210> 549
<211> 428

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<212> DNA

<213> Homo sapiens

<400> 549

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acatacggac	agtcattctat	atctgtgcta	gctccagggtg	gagaaggcat	ctggagggga	180
tcctctcaagc	tcagcaagct	gagacaggaa	actccttcca	gctcccacat	aaacgtgagt	240
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tttgggggtgg	acagatgccc	actgaagagc	tttgggaagtc	aaagaagcat	tcagtgatgt	360
caagacaaga	tttacaaact	ttgtgttgca	ctgatggctg	ttccatgact	gatttgagtg	420
ctctttgc						428

<210> 550

<211> 849

<212> DNA

<213> Homo sapiens

<400> 550

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gcctcttctc	cctcctgacc	caggtcacca	ccgagccacc	aacccagaag	cccaagaaga	180
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gggcctggag	gagggcagga	gccgcgggag	gccgggagga	gggtggggac	cttcgagccc	780
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<210> 551

<211> 648

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(648)

<223> n = a,t,c or g

<400> 551

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ctctttatga	catttgagtg	tttcatgttc	ctctgacttt	ctttcttttt	tttttttttg	300
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gcgaccaccg	gcaagcccac	cggagcaacg	gccccccccc	ccccggagcc	accaccctac	480
acccgcgcca	cgcacgagac	gccccgcgg	cggaacgacc	ccgccccgcc	accctgccaa	540
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<210> 552
 <211> 713
 <212> DNA
 <213> Homo sapiens

<400> 552						
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gaatctctca	tctatcttct	gatgttgaac	cataagaaaa	tgctgatatt	tgactgcttt	300
agatctgtga	aaatgactgt	atcttgagaa	agcatgctta	tcatgtcatt	tcttgatttt	360
tttaaatcca	attttggata	tttactttcc	tcacactgtg	gaagatgaag	atataactct	420
tatgacttcc	cccaacacgt	ctcttctccc	actgtaatat	taatatgatt	tttgtttgat	480
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gcttgtttta	agtacctgtc	actgactcat	tccccaaactg	aagcctaacc	ttcctttttt	660
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<210> 553
 <211> 714
 <212> DNA
 <213> Homo sapiens

<400> 553						
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<210> 554
 <211> 836
 <212> DNA
 <213> Homo sapiens

<400> 554

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 <212> DNA
 <213> Homo sapiens

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<210> 556
 <211> 1044

<212> DNA

<213> Homo sapiens

<400> 556

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<211> 1372

<212> DNA

<213> Homo sapiens

<400> 557

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 <211> 1818
 <212> DNA
 <213> Homo sapiens

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<210> 559
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 <212> DNA
 <213> Homo sapiens

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<211> 323
<212> DNA
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<212> DNA

<213> Homo sapiens

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<210> 584

<211> 425

<212> DNA

<213> Homo sapiens

<400> 584

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<210> 585

<211> 841

<212> DNA

<213> Homo sapiens

<400> 585

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<210> 586

<211> 787

<212> DNA

<213> Homo sapiens

<400> 586

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<210> 587

<211> 363

<212> DNA

<213> Homo sapiens

<400> 587

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<210> 588

<211> 814

<212> DNA

<213> Homo sapiens

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 <213> Homo sapiens

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<210> 590
 <211> 1012
 <212> DNA
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 <212> DNA
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<210> 595
 <211> 611
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = a, t, c or g

<400> 595


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611

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644

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<211> 3834

<212> DNA

<213> Homo sapiens

<400> 597

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<400> 606

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 <213> Homo sapiens

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<210> 616
 <211> 1927
 <212> DNA
 <213> Homo sapiens

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 aaaaaaa 1927

<210> 617
 <211> 1366
 <212> DNA
 <213> Homo sapiens

<400> 617
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 tbtggctatt ttaaaagggt tccagtgtga ggtgcagctg gtggagtctg ggggaggctt 180
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 tggtagtagt ggtagtagca catactacgc agactccgtg aagggccggg tcaccatctc 360
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 cttcgcccggt tcacaaagga gctttcaacc aggggagagt gtttaggagg ggagaagggtg 1260
 cccccacbtg gttccttcag tttccagcct ggaccccttc ccttcctttt gggcttttga 1320
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<210> 618
 <211> 946
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (946)
 <223> n = a, t, c or g

<400> 618
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 agcaggaccc agcctgactt gccagctacc acttatgatt cagagactag gaatcctgta 180
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 ggagggggtg ttgaccaggc agagggaatct ggagctgtca ttttagaagg tcagtatttt 300
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 ctgattttgt gctttgacac tttccctttt cttccctaaa tgttgaggat tctgttttta 420
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 aatgtaattt gtgaccaggt gagttagtca cttttagtg gcattttgta ttctctttca 540

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cccggtcgtg	cataaattcc	tgagctgaag	acattcctgt	acctcaggct	accaaagtgc	840
tgggattaca	gaccattgag	ccacttgcac	cccgcccta	gnaattcttc	tatattaaaa	900
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<210> 619
 <211> 354
 <212> DNA
 <213> Homo sapiens

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aggttgccga	ggctgatgcc	catgattttc	tatgtgatac	tgtcttctcc	gtcatcaaga	180
acatttttta	agattactct	tattatgtct	ctgggattaa	tctccaagct	gctgattaca	240
tcgtgcacgt	ttgatactgt	cactttcatg	atgttaacca	atatcacgaa	aatgaaaatt	300
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<210> 620
 <211> 384
 <212> DNA
 <213> Homo sapiens

<400> 620						
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<210> 621
 <211> 873
 <212> DNA
 <213> Homo sapiens

<400> 621						
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caacttaacc	aatcttccct	cttggagaag	gagggaactt	cggcgttttg	tctgggtttc	300
catgcccgag	cttataggag	cttcttagca	atgctgtgga	gcagatgcta	ttgacttcag	360
tttacagata	aggaacaat	cagactgagg	aagctagtat	taataagtag	cagagattaa	420
gatttgccctg	tggttctttt	ttacacaaag	cctctccac	tcctttcatg	cactgttagc	480
caagtttact	agaataggca	acttcccttt	taaaaaatcc	tgtttacatt	ttaggtgcca	540

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aacactgtgc taatccagtg ggggaaacat atgctcaaaa agatcactct gagaccaggc 600
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ggccaggagt ttgcaagaa cctgcccac cataggaaag gcccctctg tacaaaaaat 720
ttaaaaacta gccagggctg ggggcatggg gactacaggc tgcagtaagc ctatgaatgg 780
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agcggggggc gggttcctaa agccgggggc cct 873

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<210> 622
<211> 875
<212> DNA
<213> Homo sapiens

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<400> 622
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ccaatttact cgggaggctg gaggcaggac aaatgggcgt gaaccccggg aggcagaatt 840
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<210> 623
<211> 923
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1) ... (923)
<223> n = a,t,c or g

```

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gctatgttca tgtgcagggt actgctgttg gcaactgggg cttacggatt tctaggagat 240
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gctagggcat tttaaaaatt ttttttttgg agaaaaatac acagccgcac ataggccctt 840
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 ctcacctct gccgcgctcc cct 923

<210> 624
 <211> 1101
 <212> DNA
 <213> Homo sapiens

<400> 624
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 aatattctct ctgactacaa gccactggga aggtggaacc atgccccggc ccttacagct 180
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 aaggagcgta gaggcacagc g 1101

<210> 625
 <211> 1077
 <212> DNA
 <213> Homo sapiens

<400> 625
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 aagttctacc ccgccacaca ctgcagttc cattcaggct acgcctgtcc gtctcgcccg 1020

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<210> 626
 <211> 1085
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1085)
 <223> n = a,t,c or g

<400> 626
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 gtgggtccagg ccctcactcc tctcgtctca gcagctgcc cagcttctg cctgacctcc 180
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 gagggggagt ccaatccaga cccctgtaaa ggagggacag gaaaagangc tttttttgta 900
 cggcaggagg aggaaaagac gcggctctaa aagtggaaaa gggggggggc ggcaacatga 960
 taagtaaggg ggtaagtgtg gcgacgggac gaaggaaagc gaaggagggt gatacgcggt 1020
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 ggacg 1085

<210> 627
 <211> 838
 <212> DNA
 <213> Homo sapiens

<400> 627
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 aaccctaatt ggcataaac ttttccacag agtgtgtttt cttttcccaa aggggttaga 180
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 cgctccacc ccctagccac ctttccccgc ctgcggtgcc caacaatcct tctccccct 780
 ccaacaccgg tttgccactt gtcctttaca cccctcctgt ccgacccac ttctcccg 838

<210> 628
 <211> 845
 <212> DNA
 <213> Homo sapiens

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 gcggggctgc tgtgccaca gttggagtgg ctgcagggga gggcatgcag gccgtgcggc 240
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 cctgggtgac cgagctagac tttctagaga ggggcctgga aggaaccaac cccaactttt 720
 tctttcccca agaaaccccc ccgcctttta tagaccagac ccttcggccc tctgtcctca 780
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 atacg 845

<210> 629
 <211> 913
 <212> DNA
 <213> Homo sapiens

<400> 629
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 atacgattac taactatagt gataggcgtt tatacatttc ccctttgagc cttttcttta 180
 tgaacagtgg ttcttctgct caaagtgttc tgtctcattc ttatgtttct caaatcttct 240
 ttaaaaatgt aagcaaatat ttttaagaa tttttatggt ttccaaaatt aggattttag 300
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 ccactgttcc ccg 913

<210> 630
 <211> 812
 <212> DNA
 <213> Homo sapiens

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 ggtctgagatt gtgaaacaaa taaattgaaa cttaagggcc tgttctctcc aaatttagtt 180
 ccattatcac ttttaagaatg cagcgtactc aatgatacaa aagggatgta tgtagctggg 240
 tatttagttg ctaactcagc aatatgtcag ttaacacagc actcccttgt aaaactcctt 300
 ttacaagggtt gttttctcat tgggaagtctc catttggtga tttgtgtacc tatgtgctg 360
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 acaattttta agagagaaaa caagaataaa gttttgcaga agcttaaaaa aaatttaaaa 480
 tcagttcaca ctttgagcta aaatggggat agtagcgata tttcaaatat attaattata 540
 tgccctctct atgactatga gattcttggg tggattgaca agccctccc ttaaaggata 600
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 tttgggggct ttttttacac gaaggaatat tttggattta agagaggaga ctattggacc 720
 ccacgtgaag agacactttt agtgtggggg tgtagtacgg gaacacggag tattatatca 780
 tcgcctctac cagcaggaca cctacctcgc gg 812

<210> 631
 <211> 760
 <212> DNA
 <213> Homo sapiens

<400> 631
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 ctacaaggga catttttagtg taaggcaaaa atataaaatt atcactcata atgttttttc 180
 ggaaaatata tgactgcatg gttttgtagt ttctctagca gtcactgggt cattaagtta 240
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<210> 632
 <211> 1716
 <212> DNA
 <213> Homo sapiens

<400> 632
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 gttgggcgc gagctgatgc tgcagctgtc ggagtttctg tgcgaggagt tccggaacag 540
 gaaccagcgc atcgccagc tcatccagga cagcgcatt cacatcctgc catccatgaa 600

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ccccgacggc tacgaggtgg ctgctgccc a gggcccaaac aagcctgggt atctagtgg 660
caggaacaat gcaaatggag tggacctgaa ccgcaacttc cctgatctca atacctatat 720
ctactataac gagaagtacg gagggcccaa ccaccacctg cccttccag acaactggaa 780
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ttaatacaaa acgtattcag agcaataaaa aaaaaa 1716

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<210> 633
 <211> 924
 <212> DNA
 <213> Homo sapiens

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<400> 633
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gttaacggaa ctctgagag gtggatcctt tgagtttaag gacatgcgtg ttcttcagc 180
gcttgttact ttacatatgc tctgtgtctc tatccccctc tcaggctcgtt tggatagtga 240
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tgaaaaactc acaatctcag aagagactct ggccaataat acttggctct taatgttaa 360
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acaaatgttc ttttcataaa aaaa 924

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<210> 634
 <211> 455
 <212> DNA
 <213> Homo sapiens

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<400> 634
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tctcagcat atgctcaggc actgtgctgt ccactggcac aacaatgtga acttggggga 180
gacaaattat aataaattat taaaagagct ataattggata taaagtgtgt gttctgacag 240

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aaaatgggga gaaggtgggt atttttgata gcgtgtttaa gatcagcctc tatactggcc 300
tgggcaacgt ggcgaaaccc cgtgtctaca aaaaataaaa aattagccag ccatgatggc 360
ccacaccttg cagtcccagc tattcgggag gctgaggcgg ggagatgggt taagcccagg 420
aggcggaggt tgcagcgacc caagatcgca cgaaa 455

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<210> 635
<211> 384
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(384)
<223> n = a,t,c or g

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<400> 635
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atgaatgtgt ggggtgctctt catcccaaca aggcctgcgt tgcaccaaca acccgtgcac 180
attaaaccga gcatgagggt cctagacaag tgggtcagtg cctttgtgca caaaggtttc 240
acgtggggca catcgagag aataaatacc gggtcttctt cggacatcac tttggggatt 300
cttaacaaat gcggctgggc cgtattctgc gcagcacctg gatggttacc gttgggtggc 360
gacggatggc cttgggacga tttt 384

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<210> 636
<211> 1201
<212> DNA
<213> Homo sapiens

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```

<400> 636
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gtgacactga tgggtgctgag ctccccactg gctttggctg gggacaccca accacgtttc 180
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tctggacttc agccaacagg attcctgagc tgaagtgaag atgaccacat tcaaggaaaa 900
accttctgcc ccagctttgc aggatgaaac acttcccgc ttggctctca ttctccaca 960
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a 1201

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<210> 637
 <211> 981
 <212> DNA
 <213> Homo sapiens

<400> 637
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 aacctccagg tagtggattg gacttggctg atgctttgga tgatcaagat gatggccgca 360
 ggaaaccggg tataggagga agagagagat ggaaccatgt aaccaccacg accaagaggc 420
 cagtaaccac cagagctcca gcaaatactt taggaaatga ttttgacttg gctgatgccc 480
 tggatgatcg aaatgatcga gatgatggcc gcaggaaacc aattgctgga ggaggagggt 540
 tttcagacaa ggatcttgaa gacatagtag ggggtggaga atacaaacct gacaagggtg 600
 aagggtgatg ccggtacggc agcaatgacg accctggatc tggcatgggt gcagagcctg 660
 gcaccattgc cgggggtggc agcgccctgg ccatggccct catcggtgcc gtctccagct 720
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<210> 638
 <211> 1421
 <212> DNA
 <213> Homo sapiens

<400> 638
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 aatggaaatt cctgacgttc attgatctgg ttatccaggc tgtctttttt ggcattctgtg 240
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 cgaagctgct ggataatttt atcccagggt ggctgaatca cggatgcac acgacggttc 480
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 gacttaaccgc catatgtacc ttctctgttg gctatatatt atgggtgtgc tgggtgcac 600
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 ccaaagaac tcacctcac tgtgtgttaa agaattcttc ccaaagtcac tactgataat 1020
 aacatttttt ccttttctag ttttaaaacc agaattggac cttggatttt tattttggca 1080
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<210> 639
 <211> 755
 <212> DNA
 <213> Homo sapiens

<400> 639
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 agggctgacg tgccgggagc aggtttgcaa gtgtgactgc ccacctggct tcaaagccag 180
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<210> 640
 <211> 1776
 <212> DNA
 <213> Homo sapiens

<400> 640
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 ccaagggggc taccacaggg gccctaccg acaagagggc taccacaggg gccctaccg 360
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 cctcctgtct actcattgtt gcatgagccc tgtctgccag cccacccag ggactggggg 1500
 cagcaccagg tcccggggag agggattgag ccaagagggt aggggtgcacg tcttccctcc 1560

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tgtcccagct ccccgagcctg gcgtagagca cccctccctt cccccccacc cccctggagt 1620
gctgccctct ggggacatgc ggagtggggg tcttatccct gtgctgagcc ctgagggcag 1680
agaggatggc atgttttcagg ggagggggaa gccttcctct caatttggtg tcagtgaat 1740
tccaataaat gggatttgct ctctgcaaaa aaaaaa 1776

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<210> 641
<211> 418
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(418)
<223> n = a,t,c or g

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<400> 641
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acctccaatc acagcccagc aaggtaactg gacagttaac aaaacagaag ctgacaacat 180
agaaggaccc atagccttga agttctcaca cctttgcctg gaagatcata acagttactg 240
catcaacggt gcttgtgcat tccaccatga gctagagaaa gccatctgca ggtgtttttac 300
tggttatact ggagaaaggt gtctaaaatt gaaatgcct tacaatgtct gttctggaga 360
aagacgacca ctgtgaggcc tttgtgaaga attttcatca aggcattctgt agagatcn 418

```

```

<210> 642
<211> 731
<212> DNA
<213> Homo sapiens

```

```

<400> 642
agatgggtgga tgaacccccca ggtagggttag agtgaatata acagacaaca tggatgagag 60
gcccaaatca agaagaaagc aagtctttta agtgatttgg gaagctgtgt tcaaaaggaa 120
atagtttctg gaaagcctga aattttttaa aattatactc tcacgtaggg gcatcttatg 180
tcttatgttt ataaaatttc taagaattct aatttccctt cagtgttctt ccttcaaatt 240
tacagtgaca gctaaagtao tattcatgac atacaaaaag agggcacaat ctgacttttt 300
tcttgttttt gtggacagag agagatctcc ataattttga gatactctat gttaaactat 360
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ctggttttct tgttcatttt ttctgcacat ttcatoctgt tttcattacc atagttttga 480
aatatagttt gaaattataa agtatgatgt ccttctgctt tgttcttttt tcttaagatt 540
gctttggcta ttcaaagttt attgtagttt catgtatgtt ttaggggtgt gtttttcatt 600
actgtgaaaa aagaacactg gaattttgac agggagttta ttgaatctag agatcacttt 660
ggataatatg gcagttttac aatacttatt ctttcagtag aaataaaata tttttaaatt 720
taaaaaaaaaa a 731

```

```

<210> 643
<211> 956
<212> DNA
<213> Homo sapiens

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```

<400> 643

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cctgactggc	ccagcttggg	tcatgcctta	ggcccagcag	tgcgggaggc	caggaaagta	120
ggcttgggga	ggcttgccct	tcctccaagt	tgaagcatgg	caggggttcc	gggggaggct	180
gctggggggc	ctgcgagcat	gtccagagca	ggaatgcttt	gggtggtgtg	tgctttgtct	240
gtctgggctt	atctgggcgt	ggggaagctg	gttgtgcgga	tgactgttca	tgagctgtgc	300
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aatcctgtgg	aatgtcatct	ctttggggag	gccgtctctg	accctgtatg	caaaggcctt	480
ctccacatt	atttttggca	ccccacttct	ttccccgtga	aagcaaatg	tttgggtgtct	540
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ggatcacttg	aacccaagag	tttgagacca	ccctggggca	cataaggaga	acccatctct	780
acacaaaatt	agctgggcgt	ggtgtgtgat	gcctgtagtc	ctagctactt	gggaggctaa	840
ggtgggaggg	gtggctgagg	ttgggagatc	acttgagcct	gggaggttgt	agcagtgaga	900
gccatgatcg	cgctactggg	caatagagca	gaaccagtc	tcaaaaaaaa	aaaaaa	956

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<210> 644
<211> 870
<212> DNA
<213> Homo sapiens
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<400>	644						
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gcgggcccc	ctgggcatac	ctgcctgtgg	agcggagagt	ggacggtgtg	agggggaccg		180
ggagaggcac	caaattctgc	ctggggggcc	gagaagcttc	ctctcagtga	ccacaatatg		240
aatgggaaca	gcaagatggc	aaaagcttgc	tgagtgttac	agcgccagcc	tgggtagtgg		300
cctccccagc	aagttgcatg	tcactagctt	cctgtggctg	tcactcctgg	gcccaggcac		360
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ggacagtggg	gagcagggcc	aacagggcca	ctcggatgtg	gtcactctgg	atttggggtg		540
atcagcacca	agctagaact	atccccagcc	cccaggtgct	gttgctgtct	ctgcgttgga		600
ccccatcca	agctgcagct	gtggcagggt	ggctagtgg	ggccagcatg	gccctgctgc		660
agctccacgc	tgtggggggc	gtggccctga	ccagcagcca	ccctctcatg	tgggccacag		720
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cagcttgaag	gcctggagag	ccgcccagct					870

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<210> 645
<211> 904
<212> DNA
<213> Homo sapiens
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<400> 645							
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gttggggtcag	gggcaggggc	agcagggggtg	tgggtggagtg	agcgtagggc	tgggctgctg		120
tgggagccag	ttgctgtcgc	cgactgatcc	ctggagcctc	gaagctgcag	gtgtgccggg		180
ctccctgttt	ctctgccggg	ccagtggtcg	agacctgagt	ctccatcaac	cagtgtggtc		240
tgtagggtca	agcaagctcg	gctgccacc	ctcctgtctc	ctctagggcc	tcctactcct		300
tgggacccct	tttacgctgc	ccctccacc	ccagtcctgg	tgggcagtg	ttattggtac		360
gggggtctgt	tgtccctcc	agcaggagga	cagggatctt	ttccacctca	cctgtgtccc		420
cagtgccccag	tacaggccca	ggcaccaaata	ggcccttact	tcagagaact	cggtgaacca		480

ccaagtgaga	caaagtggta	tctgaactcc	cacagccacc	acagggcagc	aggaaactcag	540
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agoccaaagc	aagggtccagg	ccaagtgact	catgcctgta	atctcagcac	tttgggaggc	660
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cccatcttta	cacaaaattt	aaaaatttgg	ctggcacggg	tgtgaccccc	tatagtccca	780
gttgcttgag	aggctgaggc	tggaggatca	cttcagcccc	ggagctcaag	gttacagtga	840
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aaaa						904

<210> 646
 <211> 943
 <212> DNA
 <213> Homo sapiens

<400> 646	
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tgggtgcaatc	ttcagcatga ggtgcaagaa gtaccttgtc ctcaaagagc tttatcaact 180
cgaacatttt	cgaagagctc tataaggcag ctcagcatgg cagtttttta ctgaaatctc 240
ttatctggaa	gatggcgaaa gagaccgga ccttcccgag ccactgggtt gcttgatttc 300
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accagctgg	gtgagatagc ttcatTTTTg gaaaatcaac tgaatcatga aaaccttcct 420
aatggtataa	tttgttccag agttcttttg atacttaaga agggaaatat taatccttgt 480
gcacagtctt	ttattacaag cactcttatt tatggattta cagagttttc ttctccagcc 540
gtcattctct	ggtgaggtga ctggctgtac cccatgcaga atcgaaagca tgaagaaatc 600
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tccttcttgt	actcctccaa tctcattagg ggccggaagt agatgggata gaaggcggcg 780
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<210> 647
 <211> 782
 <212> DNA
 <213> Homo sapiens

<400> 647		
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tgtgtatgta	aatattttct tagcatctat ttggccacca gggcttttct cctgagtgtg 180	
agtgcataag	tgcatgtgag catgcacaag tatctttgtg tatttgaata tcttagcaac 240	
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tctactcaga	aagttagtta ataagactgt ttctctaata tatattttag ttgtaggaaat 420	
taggaagtag	catcatagat gctcctacac taagctggcc ctgcttccta tgttaaataat 480	
gacacatctg	aggccctggg agaggaagtg atttgcccag tctcacacaa tgagtttagag 540	
ccagagtga	gtcaaaaccc agtctctgga tgtacaagca aggtcttttt ctagtcccaa 600	
atggcctttt	gtggtggtcc agggactgcc ggggacagtc gtggaactgc atcatttaca 660	
gaaggtctga	tctttgagtc agagtcacag aagaattgag aatagctgtt gggccttggg 720	
ctgctggact	gagatgacat gtggacatca ggatgacaag gcttctgaag cagaggctgg 780	
gg		782

<210> 648
 <211> 689
 <212> DNA
 <213> Homo sapiens

<400> 648
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 cttccagga gtttcttccct gatcattggg ctgtgttggc cagtgaagta cccgctgaag 180
 tacttttagcc acacgcggaa gaacagccca ctacattact atcagcgtot cgagatcgtc 240
 gaagccgcaa ttaggacttt gttttccgtc actgggatcc tggcagagca gtttgttccg 300
 gatgggcccc acctgcacct ctacctgag aaccactgga taaagttaat gaattggcag 360
 cacagcacca tgtacctatt ctttgcagtc tcaggaattg ttgacatgct caccatctctg 420
 gtcagccacg ttccttggg ggtggacaga ctggttatgg gctgtggcaa gtattcatgg 480
 aaggtttcct cttctactac cacgtccaca accggcctcc gctggaccag cacatccact 540
 cactcctgct gtatgctctg ttccggagggt gtgttagtat ctccctaaga ggtgatcttc 600
 cgggaccaca ttgtgctgga acttttccga accagtctca tcattcttca gggaaacctg 660
 ttctgggcag attgggtttg tgtgttcc 689

<210> 649
 <211> 886
 <212> DNA
 <213> Homo sapiens

<400> 649
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 atctcttgaa cctgggaggg ggaggttgca gtgagccgag atcttgccat tgcactccag 120
 ccggggcaac aagagcagga ctccatctaa aaaaaaaaaa atagtccctac ccctcaggaa 180
 actgacatgg tatgtaggtt tggaccaaac cttaaataaaa tagcttcagt taactattaa 240
 attataattt aggaaccaga aggaacttat ttataacaaa aactttgaaat tgccaaaatt 300
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 ttttccataa agaaaagcct taaatcaagc catttttttt tccagagggt aatgtactag 420
 ggctacaaat aaatttcatt agcccaataa aggtagtctt aacagtagcc agagtcatct 480
 gggaccattg tagcatctta aacacagatt ctaagaaatg tttagaaact ataaagaaca 540
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 cccctttgac taacctgatg aagataaaac agtgcctga gtcaagggtga agctctttga 660
 gatgggaaaa aaatgcaaat ttgatattga ggccatggca ggagaatcgc ttgaacctgg 720
 gaggcagagg ttgcggtgag ccgggatcgt gccactgcac tccagcctgg gccgcagagc 780
 gagactttgt ctcgaaaaca aaagatactg gggccatagg aggaatgtga taaaccagat 840
 ggtagaggag aaatgccatt atgtgcaaga ataatgtag agtgca 886

<210> 650
 <211> 1624
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1624)
 <223> n = a,t,c or g

<400> 650
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 tttgtttttt gagatggagt ttctctcttg tcgccaggc tggagtgc aa tggcgcgacc 180
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 gtgctgggga ttacagacac tctccaccac acccggttaa tttttatact ttccggcagag 300
 acgggggttc accatgttga ccaggctggt ctcgaaactcc cgacctcagg tgatccacct 360
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 gttttcttgt tttttttatt tttttttatt tttttttta tttttttatt tttgagacgg 480
 agctccgctc tgtccgccca ggctggagtg cagcgggcgg atcccggtc actgcaacct 540
 ccgctccca agttcaagct attctcctgc ctccagctcc tgagtagctg ggattacagg 600
 tgtgcaccgt caggcccggt taatatatttg tacttttagt agagataggg tctcaccatg 660
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 actttctggt ttgggtcaatg tggtaatgca tgaatctaga gatactgaat cttatcttta 840
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 aaggctcgtg tggngctgct tcattctact gataagaaag accctgaata aagcccttcc 1560
 ttttagaaac actcttcctt tattttactt tccactccta cgaagtataa aagcccttat 1620
 gggg 1624

<210> 651
 <211> 651
 <212> DNA
 <213> Homo sapiens

<400> 651
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 tgcccatctg gtatgtgtga aatgggtgtc cgtgattttg atttgcatat ttcaaaatag 180
 taatgaggtt gaacaactta tctgtgtgtt ttgtgtcatt cctcttttct cttctatgac 240
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<210> 652
 <211> 743
 <212> DNA
 <213> Homo sapiens

<400> 652
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 accccaacat aggaggaag taggaaattc aagaagcagg caaatgggaa ggatacacat 120
 ctctatctgt tcgtatgtta gtattctgat ttttaagagta atcgttgtct cttcattttt 180
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 taaacaatgg gtacacatgg acatagggag taaaataata gacactggaa actccaaaag 660
 gcaggaggat gggagaggag taagccatga aaaatcacag attgagtaca atgtacacta 720
 aaagcccaga gttcaccact atg 743

<210> 653
 <211> 1524
 <212> DNA
 <213> Homo sapiens

<400> 653
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 tgtgtgcca agctcagggt tgtcccgctc agaccattaa agtcacacaa tgcaatttaa 180
 gaagacaatg aggcaatctc agcactttgg gaggcagagg ctctctgttt cctcgagtca 240
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 ctgcccacag ctgtgttcta tggctccctg gctctcttca ccaccatcct gcacaatgtc 480
 ttctgtctct actatgtgga cacccttgtc tcagtgtaca agatcaacaa aatggccttc 540
 tgggtcggag agacagtgtt tctcctctgg aacagcctca atgacccctc cttcgggttg 600
 ctcagtgaac ggcagttcct cagctcccag ccccggtcag gcgcgggct ctoctcaagg 660
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 acgcggtggg gcgggggctc ttctgtctca agctgggact tagcctgtct atgttgttgg 1440
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 agggcacctg gaagctgctg acct 1524

<210> 654
 <211> 711
 <212> DNA
 <213> Homo sapiens

<400> 654
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 tttcaaaatt agctagggtg tgccgggccta tgcctgtagt cccactctact tgggagggtg 660
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<210> 655
 <211> 1524
 <212> DNA
 <213> Homo sapiens

<400> 655
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 tgtgtgcccc agctcagggg tgtcccgctc agaccattaa agtcacacaa tgcaatttaa 180
 gaagacaatg aggcaatctc agcactttgg gagggccagg ctctctgttt cctcgagtca 240
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 agcgctgttg gacgaggatg ggaagaccgc ctgtggccat gagccctccc cgggtgtcct 360
 ggggctaagg ctggggctgc agccatgggg ctgggtcagc ccaggcctg gttgctgggt 420
 ctgcccacag ctgtggtcta tggctccctg gctctcttca ccaccatct gcacaatgtc 480
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 tgggtcggag agacagtgtt tctcctctgg aacagcctca atgacccctt ctccggttg 600
 ctcagtgacc ggcagttcct cagctcccag ccccggtcag gcgcggggt ctccctcaagg 660
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 acgcgggtgt gcgggggctc ttctgtctca agctgggact tagcctgctc atgtgtgttg 1440
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 agggcacctg gaagctgctg acct 1524

<210> 656
 <211> 993
 <212> DNA
 <213> Homo sapiens

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<400> 656
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cgtgatcgtc ctccaatacg tgtgccccgg cacagaatgc cagctcctcc gcctgcaggc 180
gttcagctcc ccggtgcccgg acccgtagcg ctcgaggat gagagctccg ccaggttcgt 240
gccccgctac aatttcaccc gcggcgacct cctgcgcaag gtagacttcg acatcaaggg 300
cgatgacctg atcgtgttcc tgcacatcca gaagaccggg ggcaccactt tcggccgcga 360
cttgggtgcgt aacatccagc tggagcagcc gtgcgagtgc cgcgtgggtc agaagaaatg 420
cacttgccac cggccgggta agcgggaaac ctggctcttc tccaggttct ccacgggctg 480
gagctgcccgg ttgcacgcgg actggaccga gctcaccagc tgtgtgccct ccgtggggga 540
cggcaagcgc gacgccaggc tgagaccgtc cagggtggagg atttttcaca ttctatatgc 600
agcatgtacg gatatacggg gttctccaaa cactaacgca ggggccaaact ctccgtcatt 660
cacaaagacc cgggaacacat ctaaaagtgt gaagaacttt cactacatca ccactcctca 720
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gtaccctggt gaagaactgg tctggcttgc ccccttcaa aagattatag gcctggccct 900
tttaactctac ccctaaacca ccccggttgt gccttgtctt tagctacctt ttatatattat 960
gggggtgggtc acactctctt ccaccatctt ccc

```

```

<210> 657
<211> 969
<212> DNA
<213> Homo sapiens

```

```

<400> 657
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taaatttaac attttgctat ttgttttcta tatttctcct gtcttttttg atgttgttat 180
tttctgcacg ctttaactggc ttcttttgtg ttaaataaat attttccaat gtagattttt 240
agtttttctc tttttcagct gtatgacatt agtactcttc ctagtgcctg ctctaattgat 300
tacaatatgc atcttgtcct atcacagcca ccttctgatt aatagtaact taattccagt 360
aaaatacaga aacttccctt caatattgct tcattttctt catctttggt tatcattttg 420
tcatatatct cacatgcata tatgtcataa cctattaata tagtattgaa ttactttgta 480
ataaacttaa tgtcttttga agttatttaag aaaatacttt gggaaataaa ctatagattc 540
ttttatctta actcacattt tatagtattt ccattttgtt taggtttatt atgaatttgg 600
gtaaatcttt ggaggaaatt aatttcaact gaagaaattt taaaaactat ttttgggaag 660
aaatatttat gggaagaaat attttgcagg ggctcacacc tgtaatctca gcaatttggg 720
aggctggggc aggtggatca cctgagatca ggagttcaag accagctggc caacatgcag 780
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ctgagtcgag atggcaccac tgcactgcag cctgggcaac agagtcagac tctgtctcca 960
aaaaaaaa

```

```

<210> 658
<211> 572
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (572)
<223> n = a,t,c or g

```

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<400> 658
tgcagagagg aaaaacccat tctaaggcct cctctctgct gagagctgca gagacgacag      60
gatgacctgc ctgcagagat gagccaccca ctctagggcc tcctgtctgc tgagagctgc      120
acagacaaca ggacaatcag gtacagagag gagctacact ctctgttgat agctgaacac      180
ttgtcaggca agtggttctag cagaacttgc ctagcagaga ggagctatcc tctctgctag      240
gagatgaaca ctcatgggaa catcctgcct gtggaaagga gctgtccctt gtggatttcc      300
tctgagctgt cctattgctc aataaagctc ctcttcactt tgctcaccct ccacttgccct      360
gcatactctc ttcttcctgg gcacaagata agaactcagg acctgccaaa tgaggctaac      420
agagctgtaa cacaacacagg gctcagacat gctctgtatc agtccatttc atgctgggtga      480
taaagacatg cctgagactg ggaagaaaaa gaggttttat agttcccatc ggctggggag      540
gcctcacaaat catggcggaa cgnaacgagc ag                                     572

```

```

<210> 659
<211> 844
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(844)
<223> n = a,t,c or g

```

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<400> 659
ctctgacttc tggcttgcac tgtttccagt gagaaatctg ctactatttt tatcttagtg      60
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ccttcttccc ctcacatgtg gggactttta attccatgta tattaggctg catgaagctt      180
ccccacaacc tactgatgct cttttcatta gaaacatttc ttactctgcg tttcattttg      240
gatagtttct attcctatgt tttcaaacc aaccaataaaa gattctgcaa catctgacct      300
gccattaatc ccgtccagtg tatttttcat ctctgtatt gtagttttca tctctacaat      360
cccaacttga gcctttgggt ataaacttaca tgttgcctct gcactgtttg aacatgcaga      420
atggctagtg gggcagtgag ctgaggagaa gggacagagg ggaagctcgg ctggtgggtc      480
tacgggtatg atggagacca tgcagctgaa agtaaaccgt caccctctct gcttcagtggt      540
gaaaggccag gtgaagatgc tgcagctgat gaggctgngc cttaggggtg gnnggggtgg      600
ggaatctgct tgtgggcggg agatgtggct atgtggctat aaaggatgaa gatgaacgcc      660
ctgtttgctt ttcagcctcg cttggatcaa gggtaaaaag cgggttggtg cctcctggtg      720
aagaaaagag agataaggac ttgcctccct ttcgaggggc tgggaaacct taacctcaa      780
aacactgggg gccgggcctt gttggtccct gggccccaaa ccttgggggg cgaccgggga      840
gggg                                             844

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```

<210> 660
<211> 772
<212> DNA
<213> Homo sapiens

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```

<400> 660
ccttcccggt tcgacgattt cgtgaagtag ctcttatggc tggagattgc aggtttatga      60
ctgacccatc ttgggaagaa caatgatggc aggcattcga gctttattta tgtacttggt      120
gctgcagctg gactgggtga gcagaggaga gagggtgggg ctgcactctc ctacctgag      180
tgtccaggag ggtgacaact ctattatcaa ctgtgcttat tcaaacagcg cctcagacta      240
cttcatttgg tacaagcaag aatctggaaa aggtcctcaa ttcattatag acattcgttc      300
aaatatggac aaaaggcaag gccaaagagt caccgtttta ttgaataaga cagtgaagca      360
tctctctctg caaattgcag ctactcaacc tggagactca gctgtctact tttgtgcaga      420
gatccctgaa cagagatgac aagatcatct ttggaaaagg gacacgactt catattctcc      480

```

ccagcctgag	tcaagggttat	tgcaatagca	ctaaagactg	tgtaacacca	atgcaggcaa	540
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ttgcgtgtac	cagctgagag	actctaaatc	cagtgaccag	gctggctggc	taattaccgg	660
atctggatct	tcaaccaagg	tgccccaagg	taggattctg	tgtgtaatta	cagacaaact	720
gtgctaaaca	tgaggccatg	actttagaac	acagggtgtg	gctggagcac	at	772

<210> 661
 <211> 920
 <212> DNA
 <213> Homo sapiens

<400> 661						
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gtcacagcct	tgtagccggg	agtcgctgcc	gagtgggcgc	tcagttttcg	ggtcgtcatg	180
gctggctacg	aatacgtgag	cccggagcag	ctggctggct	ttgataagta	caagtacagt	240
gctgtggata	ccaatccact	ttctctgtat	gtcatgcac	cattctggaa	cactatagta	300
aagggtatttc	ctacttggct	ggcgcccaat	ctgataactt	tttctggcct	tctgctggtc	360
gtattcaatt	ttctgctaatt	ggcatacttt	gatectgact	tttatgcctc	agcaccaggt	420
cacaagcacg	tgccctgactg	ggtttggatt	gtagtgggca	tcctcaactt	cgtagcctac	480
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gggtagggtt	gtctctcttt	ccgcctgacc	ccccttgcaa	aagctttaca	cccgcgattc	720
ttttctctgc	ctgggggact	ggctctctcc	ccggccgcga	tcgcttctcg	ctccccacag	780
accgcgcgcc	gtctgctcac	tcgccccttt	tatcaaccct	tcagcactcg	atccgtactt	840
tattccactc	ccgatacgt	tcattcacgtt	tcgcatctgt	ctcctctctc	cactcgtaca	900
cttcaatccc	ttctctgccc					920

<210> 662
 <211> 1372
 <212> DNA
 <213> Homo sapiens

<400> 662						
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taagacagtc	ggccggaggga	ttgtattttc	aatataatct	cctcattatt	cccttcttga	120
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tataaaatca	cttaagtttt	aattctgtgg	tttataattta	atgttcatca	tctgctttta	240
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ttagaacagc	tatagtcccg	gttttttgca	tgttttaagt	ttgtgctgtt	tatacctgaa	360
ggctatgtca	gctaaataag	aaatccttgg	ttcatatttt	ttaatttaat	tatctaaagt	420
ctgttactcc	attgtcatcc	tacataaagt	ctcatgctgg	tctcatttct	ttcccttggg	480
gagtgacctg	gtcatttttc	ctggacaccc	agattttttc	tatacattcc	aataatttta	540
gtttaatatg	tctcattgtg	ggttactttt	cctggttgtc	acttggtttt	tgagctttat	600
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gccaaataag	gtattatata	tgaagtgtct	taaatgtatt	attttactat	cttggtatcc	720
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ccttatctct	accaaataca	aaaattgtct	ggtccattgg	gtctcacgcc	tgtaatcccc	840
agtacttttg	gaggccacag	gtggatggat	ggcttgagtc	taggagttca	agactagcct	900
gggcaacata	cggagatccc	atctctagaa	aaaaaaaaga	acacaaaaat	tagctggacg	960
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agcaagaccc	tgttttcaaaa	aaaaaaaaag	aaaaaaaaaac	tttaaaagcc	tttttttttaa	1140
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ggttttttttg	gccccaaaaga	gaaaaaacct	ttccctgggt	ccctggggaa	aagcaaattt	1260
tttctttttat	ttagggggga	ataaaaccgg	attgaaagaa	aggggccttt	ttgaagaacc	1320
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<210> 663
 <211> 1192
 <212> DNA
 <213> Homo sapiens

<400> 663						
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gccatgcct	ccagcaactc	ccgccccccc	gcgtgcctag	ccccgggggc	tctctacttg	120
gctctgttg	tcacatctct	cctttcctcc	caggctggag	acaggagacc	cttgctgtga	180
gacagagctg	caggtttgaa	ggaaaagacc	ctgattctac	ttgatgtgag	caccaagaac	240
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gatggctggc	tcgatttcct	aagctccaag	cgcttggtga	ccctggcccg	gggactttcg	360
ccccgcttct	tgcgcttcgg	gggcaaaaag	accgacttcc	tgcatgtcca	gaacctgagg	420
aaaccggcga	aaagccgcgg	gggcccgggc	ccggattact	atctcaaaaa	ctatgaggat	480
gacattgttc	gaagtgtgt	tgcccttagat	aaacagaaag	gctgcaagat	tgcccagcac	540
cctgatggta	tgctggagcc	tccaagggag	aaggcagctc	agatgcactc	ggttcttcta	600
aaggagcaat	tctccaatac	ttacagtaat	ctcatattaa	cagagccaaa	taactatcgg	660
accatgcctg	gcccggcagt	aaatggcagc	cagttgggaa	aggattacat	ccagctgaag	720
agcctgttgc	agcccatccg	gattttattcc	agagccagct	tatatggccc	taatatgtg	780
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aaatgcagtt	acctggaaca	ttctacattg	aggcccgcgg	gccaagggga	gggactcctg	900
aaaaccggcc	tgtgaaacac	acttttgtgc	cgattagaga	aatcagaaag	gggtaaacat	960
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ccgggcggcg	ctcgtgttgg	cacgggaaca	cgcccgctgc	ccgagagtcg	ccggcacacc	1140
cagcgtgtgg	tgttgtgggc	atctggtact	acggagtccc	gaccagcgt	cg	1192

<210> 664
 <211> 779
 <212> DNA
 <213> Homo sapiens

<400> 664						
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cttgtcttcc	gggcattgga	gcagcccttt	gagagcagcc	agaagaatac	catcgcttg	180
gagaaggcgg	aattcctcgg	ggatcatgtc	tgtgtgagcc	cccaggagct	ggagacgttg	240
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aacagcagcc	actgggacct	cggcagtgcc	ttttcttttg	ctggaactgt	cattacgacc	360
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gtgacgatcc	ctgctgtcat	ctataagtac	ttcgagggtc	ggaaggcttt	ggagtccatt	660
tactttgttg	tggtcactcc	gccacgggtg	ggctttgttg	attttctggc	agggaaaaacc	720
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<210> 665
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 665
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 ttgacacatt gaaccttgat atctgactgc ctgggtcggg catgtgctgc gtcatttgca 120
 gtaagcaata tgcctactg tccatcctgc tttgtctctt ggcatctggg tgggtggatt 180
 tcttctgct tccgcattca gtccctgagg atgatgacgg catcaaagtg gtgaaagtca 240
 catttaataa gcaagactcc cttgtaattc tcaccatcat ggtaagcctt acggtttcat 300
 tccctggggt gtgcacctgc caggctggga ccaggacac ttacacttag ttctgactt 360
 gccctgatgt aggccaccct gaaaatcacg aactccaact tctacacggt ggcagtga 418

<210> 666
 <211> 722
 <212> DNA
 <213> Homo sapiens

<400> 666
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 acagactgct tctctagca cagcatgtcc acacacacgt atcacgccag taggccagtg 120
 tgtccacata tacgctgca gcacagcacc actagcccag tacatccaca aacaatcgtg 180
 acaccacaca agtaggccag tgcattccaca catgctgtgt cgacacacct ctaggccagt 240
 gcgtccgaca cactctgtgc aaaattgcac cagtaggcca gcatgtccac atgcatatga 300
 gacagtgcac cattaagcca gtgcgtccac acacacgtga cattacacta ttaggcggcg 360
 tacgtccaca cactcatgca aaattgcacc actaggccag cacatccaca cacacacgta 420
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 tgcaccatta ggccagcttg ttcagtgacc aaacaaccac ctgtcatctg atgtctttga 600
 aaaaaatcca agtcacaaaa ggatgttgta ttgacactt acaaaatcaa attcaaggta 660
 aaagttttat aaagcagcta ccacttttta tgaccacttt aaagaaaacg cctcaggaga 720
 ag 722

<210> 667
 <211> 780
 <212> DNA
 <213> Homo sapiens

<400> 667
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 accactgggg agggcaggcc ccttgatttc ggtctgcttt cggagacact aacaagatgg 120
 gagtcattgg catgctgatg ctccccctgc tgctgctggg aatcagcggc ctctcttca 180
 tttaccaaga ggtgtccagg ctgtggtcaa agtcagctgt gcagaacaaa gtggtggtga 240
 tcaccgatgc catctcagga ctgggcaagg agtggtctcg ggtgtccac acagggtggg 300
 caaggctggg gctgtgtgga aagaactggg agaggctaga gaacctatat gatgccttga 360
 tcagcgtggc tgaccccagc aagacattca ccccaaagct ggtcctgttg gacctctcag 420
 acatcagctg tgtccacat gtggcaaaaag aagccctgga ttgctatggc tgagtggaca 480
 acctcataaa caatgcaga gggaagggga aggggcctgg ccctaagatt gctctggagc 540
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ttcccaacat	gatctcgcgg	agaacaggcc	ctatcgtgct	agggataaat	atgcgagggg	660
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<210> 668
 <211> 781
 <212> DNA
 <213> Homo sapiens

<400> 668						
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tttagaaggt	atgttcatgt	tcattgaggt	tacatgtagg	cattatagca	cttggtggcat	180
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aaaaaggcat	ttatattcag	agcatctaga	atgtacatca	cattttttatt	tttcattttt	360
aaagcttcta	cgcagatttt	ggaccactca	atctggcaat	ggtttacaga	tattgctgcc	420
agatcaataa	gaaattacag	gccattacaa	tggttaaggaa	gaaaattggt	catttttactg	480
gctctgatca	gagaaaacaa	gccaatgctg	ccttccttgc	tggatgctac	acggttatat	540
atgtggggag	aacccccaga	cgaagcctat	acaacattaa	tctttgggga	gacacctat	600
attcctttca	ggcacacata	tgcaacgcgc	cgccgacccg	ctaaccacaa	cccgcaccac	660
acatcttgaa	gtctgctggc	caacagacaa	ccgcctctac	ccctcttccg	atgcgcgcaa	720
ctcctcgcgc	acgggtctcat	ccccccacac	acaatgcccc	gttcaccgcg	ctccccccct	780
c						781

<210> 669
 <211> 869
 <212> DNA
 <213> Homo sapiens

<400> 669						
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gatggaggca	tcataatcta	tttccctaatt	atcgtttaca	tgttcatggc	catatctatt	360
gtctgtgatg	aatacttctc	accctccctg	gaaatcatca	gtgaatacat	aggcaataag	420
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aaataattct	cccttggatt	gtctcaggat	gttcaggcca	caactttcat	ggcagcgggc	540
agttcagctc	ctgaattaga	tactgcttcc	ctagggggat	ttatcacaaa	gggagatatt	600
ggcattagca	ccatcccttg	atctgcaatt	tataatctcc	ttggcatctg	tgctgcctgg	660
ggttgggtatc	taatacgggc	tcaacactat	aatgtggccc	cctattcaga	gactgggagc	720
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aggggcttac	tgcttttgaa	aaaaggaagg	aaagtttggg	ccccgccttg	cacctagcca	840
acccaatctt	ataaaaaaac	ccgctctgc				869

<210> 670
 <211> 394
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(394)
 <223> n = a,t,c or g

<400> 670
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 cttgccaatg gaccgatccc acctcattac tggaataaga aggtccccc cacccttcc 180
 gcttattttt ccagtataat acacgggtgg gccacctta ccacatccctc ggtgggtacc 240
 actttatgat ctttttcatt aaagcccctc tgtacttatt gcagtcaatg atggactgtc 300
 tgtatgcgcg gcgtatccca tgtataaccg attgtgcaat ggctgaaatt gagaaattgg 360
 ggcaaaagta tccagtggct ctaaggattg ccan 394

<210> 671
 <211> 1121
 <212> DNA
 <213> Homo sapiens

<400> 671
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 gcagcgagct gagatcgccg cactgcactc cagcctgggc aacacagcga gactctgtct 120
 caaaaataat aataacaaaa tattagcttt attgatgaat acctcataca ccataaaaagc 180
 tagtgtttat agtatagtca cagagctgca cagccatcac cacaatgtaa ttttagaata 240
 tttctgtcac tccataccct ttagccgtcc ccagctcccc cctcaccag gcaaccacta 300
 atccacttct gtctctgtaa ttttctgtt ctggacagtt catatgcatg gaatcatata 360
 aagttttttc catatctgct ttttcttaa gttgacatat aataattgta tccatgtccg 420
 cttttaaaat gcaatttgac tttcacagtt tagctgaatg ctttcacttt cgttatttta 480
 atgagagtta gtgtaaggaa aatgagaatt taccaaattt ttaaattcatg tcacctggta 540
 ttttatcttt acactcatgc tttcaagtga aaattccagt gcattatttt cctcaagaga 600
 aagcagtggc agataagtac tttctaattt ttttatatgt cactcaagcc gttggaagct 660
 tcataggtaa agcataactt aaatataagt ttattctaac taatcccaat atgtggcctc 720
 aaaacataag tccataaatg tcattttctaa gattatttta cataaatact caaatttggt 780
 gtcatttttg tagccaaagc taagtagagg atggggcctg tgaattttaga accatcctag 840
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 cattaaataa taacattttt ctccctctct tcatagagtt tatagacaaa actagaaaat 960
 tcagggtattt ggtatatact tttttgtttt ttttgatacc atcttggtct tgtcaccag 1020
 gctgtagtgc agtggcacaa tcaccactca tcgtagcctc aaottcccag gctcaggtga 1080
 tcctcccacc tcagcctccc aagtagacag aactgtaggc t 1121

<210> 672
 <211> 1245
 <212> DNA
 <213> Homo sapiens

<400> 672
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 tgaggctcgt caactgcttc gaccgctctc atattctcgt ccatatacac tgctgctgga 180
 cacagctaata cggcattatc actatctcta cttctatcat aacaacgggt accgcccgtg 240
 tcgcactctt cggcacgagt cgcctcaatg gcogtctcaa aaccctgtac actgggctca 300

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ctcccatctg cgtctcgcca cgggtgttccc acacacttct agtgaagaac aggagtgtga 360
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agaggaagtg tcagatatgg gtggtgacaa tcttgaagtg ggcaagaaag ctagaaactc 480
aagcaaatgt gagctgagga aaagcccagt tttcagtcat gaggattctg accttgactt 540
tgatatcagc aaattggaac agcagagcaa ggtgcaaaac acaggacatg gaaaaccaag 600
agaaaagtcc ataatagacg agaaattctt ccaactctct gaaatggagg ctattttaga 660
aaacagagaa aaagaagagg aacgaaaaga tgataatgat gatgagtcag ttaaaagttc 720
cagaaaatgtg aacaacaaag atttttttga tccagtggaa agtgatgaag acatagcaag 780
tgatcatgat gatgagctgg gttcaaacaa gatgatgaaa ttgctgaaga agaagcagaa 840
gaaggaagca tttctgaaat atgaatgaaa aaaattacat ctttagaaaa agagtattta 900
gaaaaaagcc ttggcagcgt cggggggaag tgacagcaca gaagagacca gagaatagct 960
tccctggagga gacctgcac ttttaacctg ctgtctggat gggtagactg cctctctctg 1020
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gtttcttttc ccttaacttt ttattttaa aacttgcaaa cacagaaaag ttgataaaat 1140
catacagtga acatctgtat tctattcaac tggattcact agttcacatt ttgtcatatt 1200
tgtgtgtctt tttcccata tggaagattg tatatttgcc ctttt 1245

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<210> 673
 <211> 714
 <212> DNA
 <213> Homo sapiens

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<400> 673
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ccacaacctt ggaatcctct tggctccttc agtggtggat cttttgtttc ctggatccca 180
tatcttcatt ttttcccttt ttcttagttt atgtccttgt tttggtgaca ctatactagt 240
ggctccctca gacaagggtat ataaagatac atttataata aaaatatatc catattgcat 300
atttgagaat ttcttcacat ttttatttac ttgattgttt atgttatttg agttgaaaaa 360
tattttcact tagaattttg ctccagtttt ttctattctt gagagtctct gttgaagtgc 420
tttggcattc tgattcccag tcgtttacac atggcctatt ttttctgtgg aaatatttaa 480
gattttctct ttatttctga tctaagtttt tatagtgatg tgtgttgctt tgactttgat 540
tattattttt atttagttag tttttgagat agggctctgc cctgtcacct agacaggagt 600
gcggtgacac aattatagct cagtgcaccc tcaaattcct gggctcaagc tctcctccca 660
cctcagttca tgagtagctg ggaccacaga cagcaccacc caggcctggc tact 714

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<210> 674
 <211> 1138
 <212> DNA
 <213> Homo sapiens

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<400> 674
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aaagttatat gagtottggg tctataaacc attttctgtt ttttatacaa ctacttgtct 180
taaaaaatag ctattgtatg ttattaaaaa tgaaacagaa taaaaaactc aagaaaatta 240
tgtgtttatt attcttaatg ctatcaagtt atcatttaat atgaggtata ttttttattt 300
tgcttactta tatcagtcga gaattaatga tggaaatctc cccaccacc tccctacccc 360
aatactccag taacttatta atttattaca aagaatgacc aaaatgactt aaataagtag 420
ttatctcctg agcgtccttg acctttcttt atagtttaat tgtggtccct tgaaccagag 480
ggtgatctgc aggcattttc tttgttatca gaatgtgtga aactaggttt caggactgtg 540
tcagagaact ttttaatcat gatgcacttt ttgtcacaag aaatacttcc tctgtggaata 600
tttcaaagac ggtgatttat ttttaatttt ttaatttgag acggagtctc gctctgttgc 660

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caggctggcg	tgcagtggtg	tgcagtctcg	aatcactgca	acctccaact	cccgggtcaa	720
gggaatctcc	tgtcttaact	ttttgagaag	ctggaattac	ccgtgtgtgc	caccatgcct	780
ggcttaattt	tttttgatt	ttggcacaag	agcaccctcc	ccgcgtggcc	aagctgtcct	840
ggacctccga	cctcatggga	acaccctgcc	tgcctccca	caattacgaa	ccacagttgt	900
accccccgcc	ctggaacaaa	ggaacctctt	ctttttatcc	ccccaccgt	tccgcacttt	960
accagacccc	tactcccg	gtgctcgct	gcgctctcac	caccacccc	taccggcctt	1020
tctctctcgg	ccggaccacc	cgtcatgtgc	ctcttctctg	cacgcgggc	ggcgccctcc	1080
ttaaaccctc	tatatcactt	ccgctcgcca	cgcgcgcgc	cctcgacgc	aatacccc	1138

<210> 675

<211> 897

<212> DNA

<213> Homo sapiens

<400> 675

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gcactggcgg	tgggggtcag	gggcagagag	aggcacagg	atgccagccc	cacccctgcc	120
cgggggttgg	aacacgtggg	gcccagcct	ttccctcccc	ctgctcttat	tgggtgcagt	180
tgccatggcg	ctgggtgtca	ggccccagg	acaggttggc	ctcagcccca	tgcctacggc	240
gtccacgtg	gggggtccca	ggtgtctgca	gactgcttcc	cgtggcgatg	ctgggtggca	300
tagctgtgcc	cagcaggag	cttgtgtcgc	tctgcacccc	tcagagcgga	gactgggcct	360
ctccgatgag	gcccacagca	ggtcccggtg	gggtggagag	gacagcccct	ccccactcac	420
cggcccgccc	ctgtccccc	ccccaccgga	ctgcctctct	ttgcctcgcc	tcacacccct	480
gggtctcccc	cctcctccct	tccccttcc	cggcccccac	ccgtccctcc	ctcccccccc	540
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tccccctcca	cgcctagcac	cctgcactac	cccaatgctt	tctctgtcct	tccccccgc	660
cacccccctt	tcttgtctca	ctcctcccc	tacccccccc	tcctttccgc	cccccttccc	720
gtccctctct	attccctctc	caccatgacc	ccctctctgc	ggtgtcgggc	cgtcactga	780
tgttcgccc	tgccccacc	ccacttaatt	cttcaccca	ccctcgtaca	cggccgctcg	840
cgcactcct	ccccgtccgc	tcctctgtct	ctacgaacac	tcgccccggc	acccccg	897

<210> 676

<211> 609

<212> DNA

<213> Homo sapiens

<400> 676

ggccagcaac	aagttagtat	tgcagacatg	ggccaaggag	ccagaggcca	tgcagtggt	60
cagggtccgt	gagtcgcctg	gggaggccac	aggacacagg	gtcaccatgg	ggacagccgc	120
cctgggtccc	gtctgggcag	cgtcctgct	ctttctcctg	atgtgtgaga	tccctatggt	180
ggagctcacc	tttgacagag	ctgtggccag	cggctgccaa	cgggtgctgtg	actctgagga	240
ccccctggat	cctgcccag	tatcctcagc	ctcttctctc	ggccgcccc	acgcctgcc	300
tgagatcaga	ccctacatta	atatcaccat	cctgaaggcc	cagcgagcgc	agcatcatgc	360
agagccagag	tgtgatgctg	gacctggcct	acggggaccg	cgtctgggtg	cggctcttca	420
agcgccagcg	cgagaacgcc	atctacagca	acgacttcga	cacctacatc	accttcagcg	480
gccacctcat	caaggccgag	gacgactgag	ggcctctggg	ccaccctccc	ggctggagag	540
ctcagctgat	cctgcccctg	cctgacccc	ccaagcccta	ccgtccagcg	atgacaaaa	600
taaaatggt						609

<210> 677

<211> 999

<212> DNA
<213> Homo sapiens

<400> 677
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aaaggcagga ggcttgctgg ggtctgacac ttccctgccc tcctccagga gggacacatc 120
tggggctcta tgaggaggac agctttcatc ctgggctctg gacttctctc atttggtggc 180
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caagcccagt gggagaggct gctgactaca ttggaaggga aggagtggat cctcttcttt 300
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gttgacacaa caggaaaacc taacttcatc tctcgctacc gaattcaggt cggcaagaat 420
gaacctgtgg atcctgtgaa actgcgccag tctatccgca cagttctttt caaccagtgc 480
atgatatctt tccccatggg tggctctctc ctatcccttc ctcaaagtgt ggagagacct 540
ctgacgccgt gagctaccca ccttccactg gttcctcctg gagctggcca tcttcacgct 600
gatcgaggaa gtcttgttct actattcaca ccggtcctt caccacccaa cattctacaa 660
gaaaatccac aagaaacacc atgagtggac agctccatt ggctgatct ctctctatgc 720
ccaccctata gagcatgcag tctccaacat gctaccggtg atagtgggcc catttagtaa 780
tggtgtccca cttgtctctc atcaccatgt ggttttctc tggcctcat catcaccacc 840
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catctcaagt tcaaccacgg ctatggggtg tgcagcgagt ttcacgaact tctcggtaat 960
cacacggagg acgagtcac ctggattctg agatacacg 999

<210> 678
<211> 603
<212> DNA
<213> Homo sapiens

<400> 678
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ctcaactctc aactcactgt aacctccgcc tcccgatac tcctgcctca gctcctggg 120
tagctgggat tacaagcacc caaccacgcc cagctaattt ttgtattttc ggtagagacg 180
ggatttcacc atgttggcca ggctagtctc gaactcatga cctcaagtga tccgccact 240
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gctcttga aa ccggaacccc cagggatggg agatgctcac tgagctgctg cttttatgtg 360
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cgtcctgtcg actgtgtgcc cctgggcatg tgaagcctc agtttctctc tctgtaaggg 540
gggcaatgat gctacacctc caggggtgtt gtgaggatta aatgtaagga ggatagtggc 600
aac 603

<210> 679
<211> 374
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (374)
<223> n = a,t,c or g

<400> 679
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ttatttctaac	aacaagagaa	ggagtttato	ccagctctgg	caagatgggtg	atgaccgtgg	180
tgctggcagc	tgggttgtgc	cctctgcaga	gccatggcgg	ccccagggtc	gcgcggcaca	240
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tgccgctogt	gccg					374

<210> 680
 <211> 715
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(715)
 <223> n = a,t,c or g

<400> 680	
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cgggaaacagt	aagaccgagg
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cgatggtgag	aaggcaacca
aaccattgtg	gccgccatga
ccagttcaga	gtggactaca
cgaattctat	gagcatgcca
gaacgcttcc	aacgagtagc
acgtgatcaa	gcaggctgaa
gacttctgga	atcttgagac
cgccgcgcgc	cgccgcgcgc
cgaggagaag	gcgcagcgtg
gcagggtctac	cgggccaogc
caccattgtg	aagcagatga
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catcaaaaaac	aacctgaaag
gccccccgtg	gagctggcca
gatgaaogtg	cctgactttg
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	300
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	660
	715

<210> 681
 <211> 757
 <212> DNA
 <213> Homo sapiens

<400> 681	
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tgaccaagt	gcactcggag
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tatgtgtgca	ttcctgcatg
tgctgagaca	ggaaaggggg
caacctctct	tgctctaagg
agaagaaaga	ttttctgact
gactgtgatt	ctacagttct
aactctgtgg	tgggtattgg
gagtgtgagt	aaggagcacc
ctaagacatc	caggaggatc
atggttgtcg	ctctccatcc
gtgcacagca	cagggtcagcc
ccttagggga	ggccgggtgc
tgggtgtgta	cccctgcagg
tgtgcgtata	catgtgtgct
catctgtgtg	tctgtgtgtg
cctggaagtt	ttctcttccc
ccattattga	aggtgatcgg
gcacaagcag	tgtcccttgt
agaggaaaga	ggaaaaaagg
ggtggaggca	ggaggagtc
gcagagagag	ggaaaggtag
gtgagag	
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	360
	420
	480
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	600
	660
	720
	757

<210> 682
 <211> 1660
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(1660)
 <223> n = a,t,c or g

<400> 682
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 tcaagcagtt cttgcctcag cctcccaaat tgctgggatt acaggcatga gccaccatga 180
 ctggcctaaa acaaaataaa ttcttaatgg catttggtga atgtgtttaa gagccaaaac 240
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 caattcagat gaatgtttac aagccaaaata atgatttaag agtgtgctca ataaaaaggc 360
 cataggttta agaattaaat ggaataatat aaattactag gtcaacaaga atatttcattg 420
 tatagtacac tgtctaagga atgcagagaa attttacaag aaacccaaga ctaaatactt 480
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 tagatgtaat gtcaactaag tgcattgtgac agaaatgaag aactaggaat aagaatccag 600
 attttctggc caggcatttt taagtgtctat tgggtattcac tttatttcaa actgagcaaa 660
 acaatacaac cttttacttt tttatacatt ttaaaatttc tctcatatta acattccttc 720
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<210> 683
 <211> 471
 <212> DNA
 <213> Homo sapiens

<400> 683
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<210> 684
 <211> 478
 <212> DNA
 <213> Homo sapiens

<400> 684
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 ggtttatttt attattttat tattattatt tttttttcga gacagtctcg ctctgtcgcc 420
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<210> 685
 <211> 356
 <212> DNA
 <213> Homo sapiens

<400> 685
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 ggacatcaac ttggacattc ctagtcttct attgagagaa catattgacg agctcatatg 180
 tgataaaact ttagactcta aaaagattgc acacttcaga gctgagaaaag agactttcag 240
 cgaaaaagat acatattgct atttaaaaat ggaactctga aaattaagca tctgaagacc 300
 gatgatcagg atatctacaa ggtatcaata tatgatacac aaggaaaaaa tgtgtt 356

<210> 686
 <211> 923
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(923)
 <223> n = a,t,c or g

<400> 686
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<210> 687
 <211> 528
 <212> DNA
 <213> Homo sapiens

<400> 687						
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gaggatatta	accctttacc	ccattgttgg	gaacgggatt	tgggggaata	aaaacttttt	480
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<210> 688
 <211> 415
 <212> DNA
 <213> Homo sapiens

<400> 688						
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gcgccttcaa	gaaactcaag	aatttgaaac	cactgtacct	gtataagaat	gaaatccatg	360
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<210> 689
 <211> 889
 <212> DNA
 <213> Homo sapiens

<400> 689						
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<210> 690
 <211> 784
 <212> DNA
 <213> Homo sapiens

<400> 690						
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<210> 691
 <211> 475
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (475)
 <223> n = a,t,c or g

<400> 691						
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<210> 692
 <211> 1028

<212> DNA

<213> Homo sapiens

<400> 692

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<210> 693

<211> 620

<212> DNA

<213> Homo sapiens

<400> 693

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<210> 694

<211> 851

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(851)

<223> n = a,t,c or g

<400> 694

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<210> 695
 <211> 995
 <212> DNA
 <213> Homo sapiens

<400> 695						
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<210> 696
 <211> 860
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(860)
 <223> n = a,t,c or g

<400> 696						
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actgggcaga	aaataagaac	agggagctgt	gagctgcatg	gttcccagag	ctcacacagc	180
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<210> 697

<211> 966

<212> DNA

<213> Homo sapiens

<400> 697

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<210> 698

<211> 531

<212> DNA

<213> Homo sapiens

<400> 698

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 <213> Homo sapiens

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 <211> 473
 <212> DNA
 <213> Homo sapiens

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 <213> Homo sapiens

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<210> 702
 <211> 1127
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <213> Homo sapiens

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 <213> Homo sapiens

<400> 706						
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 <213> Homo sapiens

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 <212> DNA
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 <212> DNA
 <213> Homo sapiens

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 <211> 490
 <212> DNA
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 <223> n = a,t,c or g

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 <211> 1343
 <212> DNA
 <213> Homo sapiens

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<220>
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 <222> (1)...(648)
 <223> n = a,t,c or g

<400> 712						
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cataattttc	actgcagctg	agcatttttt	aatatggata	ataggattct	gcaagtgata	240
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tgatacagg	caaacaggag	ttgggttatg	gggaaaatgc	cagttgaaat	atgttttgat	360
ctttggagaa	acctattttt	tcatttaacc	tgttctttta	atccagtatg	ttccagaaca	420
tacaaaaatg	tttaaatggt	ccatttgtaa	gaggatatca	tgtattttat	atcaatttaa	480

atgcagttat	cctaatacatt	tttctttcat	ttttaccctt	tattaactct	tcatttgttt	540
acaaaaacaaa	tccactctat	gaaacgaatc	tctaattatg	tgntttcttt	cagggatcca	600
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<210> 713
 <211> 393
 <212> DNA
 <213> Homo sapiens

<400> 713						
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ccggggccca	agggggagcc	gggaatcgac	gccatttccc	tgatcctatg	accogaagga	300
cagtaaggaa	aaaccgggtt	tttcggacgg	aaccgtaaat	atggcccat	gggaacctcg	360
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<210> 714
 <211> 615
 <212> DNA
 <213> Homo sapiens

<400> 714						
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catgggattt	tcaggaaatg	gtgtcacaa	ttgtgaagat	gataatgaat	gtggaaattt	240
aactcagtc	tgtggcgaaa	atgctaattg	cactaacaca	gaaggaagtt	attattgtat	300
gtgtgtacct	ggcttcagat	ccagcagtaa	ccaagacagg	tttatcacta	atgatggaac	360
cgtctgtata	gaaaatgtga	atgcaaaactg	ccatttagat	aatgtctgta	tagctgcaaa	420
tattaataaa	actttaacaa	aaatcagatc	cataaaagaa	cctgtggcct	tgctacaaga	480
agtctataga	aattctgtga	cagatccttc	accaacagat	ataaattaca	tatatagaaa	540
tattagctgg	aatcatcttc	attactaggt	tacaaggacc	aacactatct	caggccaagg	600
gcaacctttc	taaac					615

<210> 715
 <211> 769
 <212> DNA
 <213> Homo sapiens

<400> 715						
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aattaaatat	gcagcaagtt	actttgcaag	gtgtcatatg	gtcagtggat	ggataacaaa	180
gacgcagttc	ttgcttttag	gaagagggaa	aatttgcatg	tataaatgca	taaaacagct	240
acaggtaaga	aaaacagatg	tgataaccac	aaaacagatt	aattatgaag	aaattaattg	300
tcctaatcat	attatgctta	caactaagtt	ttggtaaatc	catttaaaat	tttggatttg	360
tatatcagta	tgcatthaatt	cattaattca	ttccattata	tttattgaga	ctctaccaca	420
tttcagacat	gaatatatag	gcatgaataa	aacaaaaatg	gttgcttgaa	gacatggaat	480

caacctaaat	gccccatgat	gacagactga	ataaagaaaa	tgccagtacat	atacaccatg	540
gaacactatg	cagccgtaaa	aaagaatgag	atcatgtcct	ttgtggaaac	atggatgaag	600
ctagaggcta	ttatccttac	cagacgaatg	ccggaacaga	aaaccaaata	ccacatgttc	660
taacttataa	atgggagcta	aatgaagaga	actcatgaac	gccgagaagg	caataacaaa	720
cactggagtc	tacttgaggg	tggaggggag	aaaggagtag	tcctcccaa		769

<210> 716
 <211> 743
 <212> DNA
 <213> Homo sapiens

<400> 716						
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ggccaatcac	ttgggatatt	agatttttaa	gattgatttt	ggaatttctc	atccattagc	180
aggttttcac	ctttctcctt	aaactcatag	ttttccttga	aatcatacag	catatttgta	240
gcaatctgac	agcataaata	tacacaacac	aaatggaacg	acttatgaag	gaattacttg	300
tgaaaagctca	ttggagtaaa	atttcctctc	aaacaatact	ttaggtcata	tgactgagtc	360
tattaactat	ttttctgtta	tacctgccca	gaaaagaatt	ttaaaagtta	gtttatgttt	420
tgtgtaacca	tgttcttcag	aatgcaggta	tgtgagcatc	atggtttctg	ggtaattctg	480
ctgctcctgt	ctttgaaaaa	ggagatacca	cttgcagctt	atcccactgc	tgagtattcc	540
agcattggta	gtggtttcac	tccattgcat	ccatccagaa	ctttcacaca	ggcctcccca	600
ttaccagca	ttttttaaca	ttgatcaata	aggcctataa	ccagatttag	gctagcaaca	660
ccagaggctc	gggggcaagg	gtggaaattg	actttacatt	cttagtagct	aatattccat	720
aagtgcctta	tatatatt	gca				743

<210> 717
 <211> 630
 <212> DNA
 <213> Homo sapiens

<400> 717						
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atgtgactga	cactgtgtat	atgccatagg	ctcaaagcct	gttgggtttta	gcatttttaa	120
actacaaagt	ttacotttta	ctctgtaatg	tggccttgta	tgtttcaata	caaaaataca	180
gatactttta	aaattcctgc	tcagggaaga	tgtgtctatt	ctgtagcttt	gtaaacgtca	240
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gggcctttgt	gagcattagg	aaggcctggc	ctctgggaag	gatgagtggg	gcttcccaga	360
ggctgaagga	ggaggagtag	ctggtcacca	cggggcctct	cctgcagggc	tttgagtctg	420
cccgcgacgt	ggaggcgctg	atggagcgca	tgacagcagc	gcaggagagc	ctgctgcggg	480
atgaggggac	gtcccaggag	gagatggaga	gccgctttga	gctggagaag	tcagagagcc	540
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<210> 718
 <211> 432
 <212> DNA
 <213> Homo sapiens

<400> 718

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aactgagctt	tggataattt	ttcactacag	ctataaccat	gactgctttg	ctgtagcttt	180
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tggcctggg	cgtcctgggc	cgcggtgctg	ctgaagctgc	cccgcagggt	cttaccctgg	360
ctgcctcgcg	gccaccagca	gcacgtgagg	gccacagcca	gcagccgcag	ccccccatg	420
cccgtcacga	aa					432

<210> 719

<211> 878

<212> DNA

<213> Homo sapiens

<400> 719						
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cgcctcggcc	tcctaaagtg	ctgggattac	agtcgtgggc	caccgtgccc	agccagggac	240
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atctactgag	gcgttactct	gtaaagaacc	ctgagagaga	ccaggctgag	taagacaggc	360
tttactgccc	atctacttcc	aatatgctcg	cttttcatct	ctgacattct	gtggtcttat	420
gaaaatggaa	atggagacaa	aaagatcatg	gcgccccag	tcctatgggc	atttcacatt	480
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ctttcatcct	cccctactac	ctaactcctg	aaaaatacaa	gcccaaaatc	atttcatcac	660
cagtaattgt	ctttaaattg	ctccaataat	ttgcaaggac	catggggaaa	agagaaagat	720
taaaaagccc	tacgcccaga	gaaccagatt	gtataacaag	tcgaaaatca	agtttactaa	780
tcaccattca	tggccttgaa	cttttaataa	aaccttcatt	gcctggaata	aatccaattt	840
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<210> 720

<211> 446

<212> DNA

<213> Homo sapiens

<400> 720						
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ctctccctct	ctccctgtct	gtctctctct	ctctcttcca	cctgtgcctt	tctgtttgtc	120
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cttcaatata	ccttccctct	cccccttcag	gacgcctcac	atccactgcc	ttgcccaggga	240
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gttcttgacg	ggaagatacc	cgatctgac	agatgaagaa	cacagagtgt	ggagacatga	360
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<210> 721

<211> 957

<212> DNA

<213> Homo sapiens

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 tcttctgggt tgaaggagat gggaaagggt ctaggccaga atgttcacat ttggaagact 300
 ctttcaaatt ataactgttg ttacatgttt gcagtttatt caagactgct gtatacatag 360
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 tgtatgttaa atgtatagggt agtaaaatac cactttgtaa atatcttttt gctaaaattc 480
 ataggaaatg cttttggaaa ttgaattgtg aagccacctt tgtgaacagt atagtaatgt 540
 ctatacttgt tcaatagttt agaggaggta ggagggaaga aattgcaaaa ggtaatatga 600
 ctagtgtgtt catacttgga cattttcaga caccattttt ctatatgttt tgggcatttt 660
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 cactttgggt tgcacttctt aggaaaactt gccttttggt aagacttttg ccagggaattc 840
 ctctgacctt tcttattatt accgcgcocg gccggttcac ctggatgacg acaacgatgt 900
 cggctgtggt caccttgggg gcccaactgg cccttgttca tactccttga ttgagcc 957

<210> 722

<211> 925

<212> DNA

<213> Homo sapiens

<400> 722
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 tgtcgggggt gctccgccc aacctgcagc ccacgctcac ctactggagc gtcttcttca 120
 gcttcggcct gtgcacgcgc ttcttggggc ccacgctgct ggacctgcgc tgtcagacgc 180
 acagctcgct gccccagatc tectgggtct tcttctcgca gcagctctgc ctctgctgg 240
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 tcttcgtggg ctttgggtgt ctgctgagcc cccttattgc tgacccttct ctgctgagg 540
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 ttcccaaggc tgactcccaa ggaccgggca gggaaaccga ggggcctatg ccttctggat 720
 aatggccctt ataatcttt ccaaggccca tggctgggct tgaagctgct ggccccaggg 780
 aacggcttgt tggaactgct cgtccccac agggggcccc ccgcttctg gactgggaaa 840
 gaaacttgc tttgaaaaca ccagccctct tggaaagaaga agacaaacct ccctcaaaag 900
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<210> 723

<211> 833

<212> DNA

<213> Homo sapiens

<400> 723
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<210> 724
 <211> 575
 <212> DNA
 <213> Homo sapiens

<400> 724						
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<210> 725
 <211> 867
 <212> DNA
 <213> Homo sapiens

<400> 725						
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aggttgcccc	aacttttttt	ttcccc				867

<210> 726
 <211> 861

<212> DNA
<213> Homo sapiens

<400> 726
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 tgcacgtatt gcattcatcc tcttttaggtt ccgaactgac ctccagtcag gtccatcact 360
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 aagaattacc taattttggc ctggcgcggt ggctctcgcc tghtaatcca ccactttggg 480
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<210> 727
<211> 642
<212> DNA
<213> Homo sapiens

<400> 727
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 tgacgtgggt taagcttttc cttaagggtc ctgattggta actggcatga acttgactct 600
 gctcaggagg ctaaaaccca ccccccatc ttttacgggc ct 642

<210> 728
<211> 872
<212> DNA
<213> Homo sapiens

<400> 728
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 gctctttaca gaaaaagctt gcaaacccat ggtctaaaag atagtcatga aagagtagct 480

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<210> 729

<211> 2563

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (2563)

<223> n = a,t,c or g

<400> 729

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 <211> 988
 <212> DNA
 <213> Homo sapiens

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<210> 731
 <211> 848
 <212> DNA
 <213> Homo sapiens

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ctgatcct						848

<210> 732
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 732
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 gagtgcatga gtgagggatg ttctctggag ctgaaaaaca gtaattgaa ggaaaagaga 180
 taaagcgatt tgcagagaaa ctgtagagat ttcttaaggg ccttttcagt attaagacaa 240
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 gcctgagggtc tctatgtcgt tccatcatga ttgcctcaa aattagttag gtttccatca 420
 gtggataatt ttttattatt aaaaatttat gaag 454

<210> 733
 <211> 897
 <212> DNA
 <213> Homo sapiens

<400> 733
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 ttgttatttta ttgaaaacct ttggtacctt aacttaagtt tgattgtttc agtgtgtact 180
 tggtaaatat gtcagtggcc ttttaactaa acatcaaaat gtactttaac cagttagtct 240
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<210> 734
 <211> 834
 <212> DNA
 <213> Homo sapiens

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<210> 735

<211> 724

<212> DNA

<213> Homo sapiens

<400> 735

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<210> 736

<211> 355

<212> DNA

<213> Homo sapiens

<400> 736

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<210> 737

<211> 228

<212> DNA

<213> Homo sapiens

<400> 737

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aaactggtac	tcataaatga	tgaatgtctg	aggctcacat	tctggctgca	ctgcaatgct	180

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228

<210> 738
 <211> 708
 <212> DNA
 <213> Homo sapiens

<400> 738
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<210> 739
 <211> 1798
 <212> DNA
 <213> Homo sapiens

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 caaaaaaact gtggcccca gttgaacct tgaccttttc ctgagataat ctgtgtatgt 180
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<210> 740
 <211> 393
 <212> DNA
 <213> Homo sapiens

<400> 740						
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<210> 741
 <211> 360
 <212> DNA
 <213> Homo sapiens

<400> 741						
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gaccacaaaa	gccatgatcc	tgcaactcaa	tcccagtgag	aactgcacct	ggacaataga	300
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<210> 742
 <211> 908
 <212> DNA
 <213> Homo sapiens

<400> 742						
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tcgttgctcc	atgcttcacg	aaaaacattt	agcaatgtca	aagtcagtat	ctctgagcag	300
tggaacccaa	gtgcttttaa	cacgtcagtt	gagctgcctc	tgagatctg	gagcagcaac	360
catttgttcc	ccagtgcaga	gaaagcgact	cttttccctg	gcacactgga	taccattttc	420
ctcttctcct	atgctgtggg	cctattcatc	agtggcatcg	ttggggatcg	gttgaatttg	480
cgatgggttc	tgtcttttgg	catgtgctct	tctgcattag	tggtgtttgt	ctttgggtgcg	540
ctcacagaat	ggctgcgttt	ttacaacaaa	tggtgtact	gtgcctgtg	gattgtgaac	600
ggcctgctgc	agtcactgg	ttggccctgt	gtggttctg	ttatgggcaa	ctgggttggg	660
aaagccggac	gaggagtgtg	ttttggtctc	tggagtgcct	gtgcttcggt	gggcaacatt	720

ttgggagcgt	gcctagcttc	ttctgttctt	cagtatgggt	atgagtatgc	ctttctgggtg	780
acggcgtctg	tgcagtttgc	tggtgggac	gttatcttct	ttggactcct	ggtgtcacca	840
gaagaaattg	gtctctcggg	tattgaggca	gaagaaaact	ttgaagaaga	ctcacacagg	900
ccattaat						908

<210> 743
 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 743						
ctgccatgga	tacctggctc	gtatgctggg	caatttttag	tctcttgaaa	gcaggactca	60
cagaacctga	agtcacccag	actcccagcc	atcagggtcac	acagatggga	caggaagtga	120
tcttgcgctg	tgtcccccac	totaatcact	tatacttcta	ttggtacaga	caaactcttg	180
ggcagaaagt	cgagtttctg	gtttcctttt	ataataatga	aatctcagag	aagtctgaaa	240
tattogatga	tcaattctca	gttgaaaggc	ctgatggatc	aaatttctact	ctgaagatcc	300
ggtccacaaa	gctggaggac	tcagccatgt	acttctgtgc	cagcagtga	agggggtctg	360
gggccaacgt	cctgactttc	ggggccggca	gcaggctgac	cgtgctggag	gacctgaaaa	420
acgtgttccc	accc					434

<210> 744
 <211> 786
 <212> DNA
 <213> Homo sapiens

<400> 744						
gcctgggtgta	atgcgagggt	gccggaaaca	gcaaagatag	atctcagagc	acagcagcag	60
gggtccctgg	tcagccccgc	tccttagagc	aggagatctt	gagtgggaga	acattcttgt	120
tgtagccaca	gctgaggccc	tggaaccagc	ctctccacac	cgcatgctcc	gagttgggac	180
tctaaggagt	ctaggaattt	tcattcaaac	ttggccttac	aggtcactca	tcagaaaaat	240
acttttttca	aggtcaacca	atagaacata	ctttattcaa	cagtttggtt	gtttgctttt	300
taaatattta	gccacatggt	atgtaggctt	ccatgtacac	tcttgccctg	gcccctgaaa	360
cataagcagg	gggctcttct	gtacatttgc	ccagcttccc	tgccagcctt	taaccccagg	420
aacctctcag	tctacctcct	cttttctgcc	tctgaatccc	tacctttaaa	gtcagaacag	480
gccaggcccg	gtggctcacg	cctgtaatcc	cagcactttg	ggaggctgag	gtgggtggat	540
cacttgacat	cagtagttca	agaccagcct	ggccaacatg	gtgaaacccc	atccttacta	600
aaaatacaaa	aattagccag	gtgtgggtgg	gggcacctgt	aatcccagct	actcaggagg	660
ctgaggcagg	agaatcactt	gaaccagga	ggcagagttt	gcagtcagcc	aagatcacgc	720
cactgtactc	cagcctggat	gacacagcga	gactccgtct	caaaataaat	acaaaaaaa	780
aaaagg						786

<210> 745
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 745						
gcaagatggt	gttgacagac	cacgccttca	tttctctgct	gctctggatc	tctgggtgcct	60
gcggggacat	cgtgatgacc	cactctccag	actccctggc	tgtgtctctg	ggcgagacgg	120
ccaccatcga	ctgcagggtc	agccagagtg	tcctctacca	cgccaacaat	aaaaactact	180

taacttggta	ccagcagaga	ccacgacagt	ctcctaaagt	gctcattttc	tgggcaccta	240
cccgggaaac	cgggtgtgct	gaccgattca	ctggcagcgg	gtctgggaca	gattattcgc	300
tcaccataag	cagcctgcag	gctgaagatg	tggccactta	ttactgtcaa	caatattatg	360
attctccgat	caccttccg					379

<210> 746
 <211> 440
 <212> DNA
 <213> Homo sapiens

<400> 746						
cccgtagacg	tcttacctgc	ctacgccaag	cttggcacga	ggggtctctg	cagtgagtgg	60
ggagcctaca	taaaagagag	taaagagggg	caaaaaccca	gatcagaatg	caggcgacgt	120
ccaaccttct	caacctcctg	ctgctgtcct	tgtttgccgg	attaaatcct	tccaagactc	180
acattaatcc	taaagaaggg	tggcaggtgt	acagctcagc	tcaggatcct	gatgggcggg	240
gcatttgcac	agttgttgct	ccagaacaaa	acctgtgttc	ccgggatgcc	aaaagcaggc	300
aacttogcca	actactggaa	aagggttcaga	acatgtccca	gtctattgaa	gtcttaaaact	360
tgagaactca	gagagatttc	caatatgttt	taaaaatgga	aaccctaatg	aaagggtcta	420
aggcaaaatt	tcggcagatt					440

<210> 747
 <211> 942
 <212> DNA
 <213> Homo sapiens

<400> 747						
tttttttttt	ttgttctaag	ccatagaaga	atattttattg	acatggaaaa	tgttaacaat	60
atacttctat	atgaaatatg	taggctacaa	aacagtatat	acagtttaat	accattttta	120
tggaaagaaa	aataaccata	tatacaaaaat	catgcataag	aaaaaaataa	tataaggatg	180
tacataccaa	atattaataa	taatggctat	ctctggatag	tggaatcaga	gggattatgt	240
aattttcctg	ataaaattttc	ctgtcctcca	aacagcatcc	gcttcatact	attatttctt	300
ggttgtaatt	agtttgatat	aattctcttc	agaaaggctc	tgtttcta	tatatacctc	360
aaagcatact	tttgatgcag	cttctgcaat	tcccatctaa	aaagtagata	acacttgctc	420
ttatattctg	gcatatgaag	actatttgta	attaacacac	tataaaatat	gtcaaagcag	480
gccaggcatg	gtggctcaca	cctgtaattc	caaaaccttg	gcaggaagat	cgattgaggc	540
caggagctca	agacgagcct	gggcaacata	gaaagacct	atctttacaa	aaaaaacttt	600
aaaaattagc	cagggtgtaat	agcacatgcc	tgtctgtaat	cccagctact	tggcaggctg	660
gaagggtcaag	gctgcagtga	gccatgatca	tgccactgca	ctccagccta	ggtgacagag	720
caagaactca	tctctaaaaa	aaaattttta	aataaagcaa	aatatgccac	agcatagatc	780
tgattgtaga	aaattattat	atggagaact	gaaaaatctc	ctaatcaaga	caaaaatttt	840
aaatagagga	aaaaaatact	atctatcatt	agttcaagtt	tccattaaga	gtagagtgtg	900
aagtagctcc	aagttcagag	ctggagaatt	ttgcattctc	cc		942

<210> 748
 <211> 1050
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1050)

<223> n = a,t,c or g

<400> 748

tgcaagaatt	ggcaggcaaa	tggggatgtg	tgtgaacggt	gtgactatga	acatgggtga	60
tcgattacgg	acatgcaaga	tggaaaattg	gttgtggcat	ccagataagg	gaaaacaagt	120
aggacaccag	attgtataca	ctgtgatcaa	aaccatgtga	aaaacacatg	catgaagagg	180
actgggaaga	aatacacaaag	aagtgggtgc	attaggggtga	gaaggagtat	tcatgttttt	240
ctcatccgtc	tttttcaaac	cttttcta	gggtgggttt	attaatttta	taatggaaaa	300
tggttaattta	aaagcaagtt	atttacagtt	tagtaagctc	atggcaggga	aaggctgggc	360
tctgtttatt	gctcttactt	tttcccaacg	cctactccca	tgcttggcaa	ttatagagat	420
aataaatgtg	ggtgtggaat	gagtgtccac	tgggaaacct	ctcagaggac	tttgacccag	480
gaacatattt	gcacagggtt	tccctcagct	ggagaagggt	tctctgggag	agcaccagcc	540
aggtgtgtgt	catgggatat	atttacaggg	tgggtgagctc	tcttgggtcca	acctaaaagg	600
tcccagcaag	gtgtaggggc	ccttctggcc	atttgacatc	accagggcag	ttagtgtctga	660
tacaaaccac	agagaatgaa	caaaactcaa	ctcaaacggg	aatggatttt	atgtcattct	720
gggactttca	aacttgataa	tagaccaagc	atggtgggtc	acacatgtaa	tcctagcact	780
ttgggaagcc	aagggtgggag	gatcgcttgc	ggccaggaga	ttgagaccag	cctgggaaaag	840
gtagcaagac	ccagtctcta	caaaaaaatt	ttttgttctg	ttttgttttt	gagacagagt	900
ctcaactctg	tcgtctaggc	tggagtgcag	tggtttgatc	ttgggttnatt	agtttctttt	960
tttgtgggtg	ttgtgtttta	gtttttgttt	tgggttaaat	taatctgggtc	ttgggaatcc	1020
ttctttttat	cgttgggtgga	gatttaaccg				1050

<210> 749

<211> 390

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(390)

<223> n = a,t,c or g

<400> 749

tgcggagggt	gcctcaacca	tggcatggat	ccctctcttt	ctcggcggtc	ttgcttactg	60
cacagaatcc	gtggcctcat	atgaactgtt	tcagccacct	tcagtgtccg	tgtccccagg	120
acagacagcc	actttcacct	gctctggaga	tgacttgggg	aacaagtata	ttgtttggta	180
tctgcagaag	ccaggccagc	cccccggtgt	actcatgtat	caagataaca	agcggccctc	240
agggatccct	gagcgattct	ctggctccaa	ttctggggagc	acagccaccc	tgacctcag	300
cgggacccag	gctacggatg	aggctctata	tttctgtcag	gcgtggggaca	cgaatggagc	360
tgtgttcgga	ggaggcacc	agttgaccgn				390

<210> 750

<211> 441

<212> DNA

<213> Homo sapiens

<400> 750

gattcagggtg	gttttaggtga	tcaaattggt	ttagaagagc	ttggtgggtc	atgcctatat	60
cttgaaggga	atccaaactta	gctttaatta	acattcttaa	ccttcttacc	tctctggatc	120
tcagtgtgtc	catctgtaaa	aaggagataa	aaattattta	cctgcctgaa	catgagggtg	180
aggaccatcc	tgctacagta	ttgctttctc	ttgattacat	gtttacttac	tgctcttgaa	240
gctgtgccta	ttgacataga	caagacaaaa	gtacaaaaata	ttcacctgt	ggaaagtgcg	300

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aagatagaac caccagatac tggactttat tatgatgaaa tcgtttttaga agagcttggt 360
ggtccatgcc tatatcttga aggggaatcca acttagcttt aattaacatt cttaaccttc 420
cgcacgcgtg ggtcgacccg g 441

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<210> 751
<211> 449
<212> DNA
<213> Homo sapiens

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<400> 751
gtggggaatt ccccagcaat cagactcaac agacggagca actgccatcc gaggctcctg 60
aaccagggcc attcaccagg agcatgcggc tccctgatgt ccagctctgg ctgggtgctgc 120
tgtgggcact ggtgcgagca caggggacag ggtctgtgtg tccctcctgt gggggctcca 180
aactggcacc ccaagcagaa cgagctctgg tgctggagct agccaagcag caaatcctgg 240
atggggttgca cctgaccagt cgtcccagaa taactcatcc tccacccag gcagcgtga 300
ccagagccct ccggagacta cagccaggga gtgtggctcc agggaaatggg gaggaggtca 360
tcagctttgc tactgtcaca gactccactt cagcctacag ctccctgctc acttttcacc 420
tgtccactcc tcggtccac cacctgtac 449

```

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<210> 752
<211> 524
<212> DNA
<213> Homo sapiens

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<400> 752
tttcgtggcg aggcggcggt ggtggctgag tccgtgggtg cagaggcgaa ggcgacagct 60
ctaggggttg gcaccggccc cgagaggagg atgcgggtcc ggatagggtc gacgctgctg 120
ctgtgtgcgg tgctgtctgag cttggcctcg gcgtcctcgg atgaagaagg cagccaggat 180
gaatccttag attccaagac tactttgaca tcagatgagt cagtaaaggga ccatactact 240
gcaggcagag tagttgctgg tcaaataatt cttgattcag aagaatctga attagaatcc 300
totattcaag aagaggaaga cagcctcaag agccaagagg gggaaagtgt cacagaagat 360
atcagctttc tagagtctcc aaatccagaa aacaaggact atgaagagcc aaagaaagta 420
cggaaccag gtagtctgga cattttcctt gctttttgat ttatttaggg gacaactgaa 480
aattttaagc taatgaataa agaggctgaa gaagaaaaaa aaaa 524

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<210> 753
<211> 474
<212> DNA
<213> Homo sapiens

```

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<220>
<221> misc_feature
<222> (1)...(474)
<223> n = a,t,c or g

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<400> 753
nttganncac tgagacatta gtccangcgg nggaattcga tggcgctggc ggctttgatg 60
atcgccctcg gcagctcgg cctccacacc tggcaggccc aggtgtgtcc caccatcctg 120
cccctgggcc tggctccaga cacctttgac gatacctatg tgggttgtgc agaggagatg 180
gaggagaagg cagccccct gctaaaggag gaaatggccc accatgccct gctgcgggaa 240

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tcctggggagg	cagcccagga	gacctgggag	gacaagcgtc	gagggccttac	cttgcacct	300
ggcttcaaag	cccagaatgg	aatagccatt	atgggtctaca	ccaactcatc	gaacaccttg	360
tactggggagt	tgaatcangc	cgtgcggacg	ggcggaggct	cccgaggagct	ctacatgagg	420
cactttccct	tcaaggccct	gcattttctac	ctgatccggg	ccctgcagct	gctg	474

<210> 754
 <211> 1222
 <212> DNA
 <213> Homo sapiens

<400> 754

cagatcctca	tctccctggg	tagtgaggct	catcacagac	aagcaaccaa	ctgctgggct	60
gccggtgccc	cccatgttgg	aacctgagtt	ggagattatc	tcctaagcag	atacctgctt	120
ccaaactggg	gatgtagggc	ttggaaacta	aaaaatgcc	ggtctgagg	agaggaaaga	180
acaagtccag	caatacacag	agctctgtgt	attcagaggg	aagttggcag	ggttggttct	240
gggcagagaa	actccgagtg	gtacaaagg	gacgtgccc	gagtggagaa	atcatgctaa	300
ttgtctgcac	tagagctgga	gaacgccacc	caaatgaag	agagaaagg	gagccctgtc	360
cagagccctcc	agggccctgc	gccttgctcc	ttttgtctac	cttcttctga	tccagacaga	420
ccccctggag	ggggtgaaca	tcaccagccc	cgtgcgcctg	atccatggca	ccgtggggaa	480
gtcggctctg	ctttctgtgc	agtacagcag	taccagcagc	gacaggcctg	tagtgaagtg	540
gcagctgaag	cgggacaagc	cagtgaacct	ggtgcagtc	attggcacag	aggtcatcgg	600
caccctgcgg	cctgactatc	gggacctgat	ccgactcttt	gaaaatggct	ccctgcttct	660
cagcgacctg	cagctggccg	atgaggggac	ctatgaggtc	gagatctcca	tcaccgacga	720
caccttcact	ggggagaaga	ccatcaacct	tactgtagat	gtgcccattt	cgaggccaca	780
ggtgttgggg	gcttcaacca	ctgtgctgga	gctcagcgag	gccttcacct	tgaactgctc	840
acatgagaat	ggcaccaagc	ccagctacac	ctggctgaag	gatggcaagc	ccctcctcaa	900
tgactcgaga	atgctcctgt	cccccgacca	aaagggtgct	accatcacc	gcgtgctcat	960
ggaggatgac	gacctgtaca	gctgcgtggt	ggaaaacccc	atcaaccagg	gccggaccct	1020
gccttgtaag	atcaccgaat	acagaaaaag	ctccctttca	tcaatttggc	tccaggaggc	1080
attttcctcc	ttgggacctt	ggtgaagacc	tggccaacaa	gggaaaaccc	cgtctttatt	1140
aaaaatacaa	aaaatgcccc	cgctttgggt	gtaagggcct	gttttcccg	gcccttcggg	1200
aggttttgaa	cagtaaactc	cc				1222

<210> 755
 <211> 667
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(667)
 <223> n = a,t,c or g

<400> 755

tttctgtcac	ggtgtgcacg	ctggactgga	ccccccatgc	aaccccgccg	cctgcgcctt	60
aaccaggact	gctccgcgcg	cccctgagcc	tcgggctccg	gcccgaccct	gcagcctccc	120
agggtggctgg	gaagaactct	ccaacaataa	atacatttga	taagaaagat	ggctttaaaa	180
gtgctactag	aacaagagaa	aacgtttttc	actcttttag	tattactagg	ctatttgtca	240
tgtaaagtga	cttgtgaatc	aggagactgt	agacagcaag	aattcaggga	tcggtctgga	300
aactgtgttc	cctgcaacca	gtgtgggcca	ggcatggagt	tgtctaagga	atgtggcttc	360
ggctatgggg	aggatgcaca	gtgtgtgacg	tgccggctgc	acaggttcaa	ggaggactgg	420
ggcttccaga	aatgcaagcc	ctgtctggac	tgcgcagtg	tgaaccgctt	tcagaaggca	480
aattgttcag	ccaccagtga	tgccatctgc	ggggactgct	tgccaggatt	ttataggaag	540

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acgaaacttg tgggctttca agacatggag tgggtggtngg cccttggttg gagaaccccc 600
ttccttcctt ccctttacgg aaacccggca cttggttgcc agccaagggt ccaaaccctt 660
ggggaaa 667

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<210> 756
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(411)
<223> n = a,t,c or g

```

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<400> 756
atcctcctca gnggattttt ccttccttag taaagctgng tccatctgac actcagcctg 60
acccttcctt ctcctcttgg aaggcgcaag tactctcccc gacctcgta aaactcaccg 120
aaatccctga agaaacttaa atgtctctgt cctgtccgcc ctgcttcttc accctcttcc 180
tccactctat ttgccaagac atctcctggg ttcattccca aactccacc tttagattctc 240
tcttaaaactg gatagatgat ctcatctttt acggcactct gtataacttc ttcccagaag 300
agacgcctct gtttaccttc ctactcactc tatatctatc cctcctgctc ctttggtctac 360
ctggcatggc cgcactccca cttgcagtaa tgcctaatta cctctacaaa a 411

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<210> 757
<211> 388
<212> DNA
<213> Homo sapiens

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<400> 757
tttcagccaa acttcgggcg gctgaggcgg cgcccgagga gggcgggact ccgggcgcgg 60
ggagtcgagg catttgcgcc tgggcttcgg agcgtagcgc cagggcctga gcctttgaag 120
caggaggagg ggaggagaga gtggggctct tctatcgga cccctctccc atgtggatcc 180
gccccaaagc gaggtcgcgg aggaggttat cgaaaatat cccgcctgc gcccgcttt 240
gctgtgggcg ctgctgagcc tatggctgtg ctgcgcgacc ccgcgcctg cattgcaatg 300
tctgaaggc tatgaacct cccactaga ccgaaagtgc gctccctacc ccaatgtcag 360
acgatcctgc ccattgccag aaggtttt 388

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<210> 758
<211> 843
<212> DNA
<213> Homo sapiens

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<400> 758
agcctgacca gttgttccca ggatccattg ttctccctcc ataaacaata aacagcactc 60
aggggaggga gggcccaaca ccggggtggg tgggcgcccc gctgcogtcc tctgtgccac 120
atcagtaaac agcaacacaa caatcaactg ggcctttttg atgaagacaa aaccatagag 180
gaaaaccatt agaagaggta ataaaggccc ttcttataca gttaatagag agcctcctgg 240
atggaacaag accagctgtt gctactgaaa atttacttct gttttcaagt tcaaataagag 300
actaaaacat tatcttcacg ggaattgatt ttacgtcttc caaacacata tgccacctta 360
attgtgattt gtgtgatagt tcagctgctg aaagctttcg tttatctcta cctggttaaa 420

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caactttaaa	taataaacaag	tcaatatatc	tgtttattga	ccaggggttct	tctcatcccc	480
agagcacact	gttgaagaag	aaggtaactta	accctttgtt	tccctagccc	tgccacatat	540
ctcatttttc	acattctcaa	tggggagata	taattgttta	aaaaatggaa	tgaagccggg	600
tggcatggct	tacacttgta	attccagcta	tttgggaggc	taaggcagga	ggattgctcg	660
gggcccggag	ttcaagacca	gtctaggcaa	catagtgaga	ccccatctct	acaaaaaata	720
aaaactaaca	ccccgggttc	ctgactactc	aaaaggggtga	ggcagaggat	cacttgagcc	780
cagaagcaga	agctgggtga	gctagactgg	gcacgcactc	ctcatggtgc	agaagaaacc	840
tgc						843

<210> 759
 <211> 647
 <212> DNA
 <213> Homo sapiens

gaattccccg	gtcgaacgatt	tctgtcggag	ggcgaggagg	agcagaggag	cacacagatg	60
aagcaggtgt	ccacgcgtcc	ggccgtccat	ccgtccgtcc	ctcctggggc	cggcgctgac	120
catgcccagc	ggctgccgct	gcttgcattc	cgtgtgcctg	ttgtgcattc	tgggggctcc	180
cggtcagcct	gtccgagccg	atgactgcag	ctcccactgt	gacctggccc	acggctgctg	240
tgcacctgac	ggctcctgca	ggtgtgaccc	gggctgggag	gggctgcact	gtgagcgtg	300
tgtgaggatg	cctggctgcc	agcacggta	ctgccaccag	ccatggcagt	gcattctgca	360
cagtggctgg	gcaggcaagt	tctgtgacaa	agatgaacat	atctgtacca	cgcagtcccc	420
ctgccagaat	ggaggccagt	gcattgtatg	cgggggagg	gagtaccatt	gtgtgtgctt	480
accaggcttc	catgggcgtg	actgcgagcg	caaggctgga	cctgtgaac	aggcaggctc	540
cccatgccgc	aatggcgggc	agtgccagga	cgaccagggc	tttgcctca	acttcacgtg	600
ccgctgcttg	gtgggctttg	tgggtgcccc	ctgtgacgtg	taagggtg		647

<210> 760
 <211> 796
 <212> DNA
 <213> Homo sapiens

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<210> 761
 <211> 721
 <212> DNA

<213> Homo sapiens

<400> 761

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<211> 716

<212> DNA

<213> Homo sapiens

<400> 762

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<211> 642

<212> DNA

<213> Homo sapiens

<400> 763

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<210> 764
 <211> 2280
 <212> DNA
 <213> Homo sapiens

<400> 764
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<210> 765
 <211> 555
 <212> DNA
 <213> Homo sapiens

<400> 765

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<210> 766

<211> 2744

<212> DNA

<213> Homo sapiens

<400> 766

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